

AM-FM STEREO RECEIVER

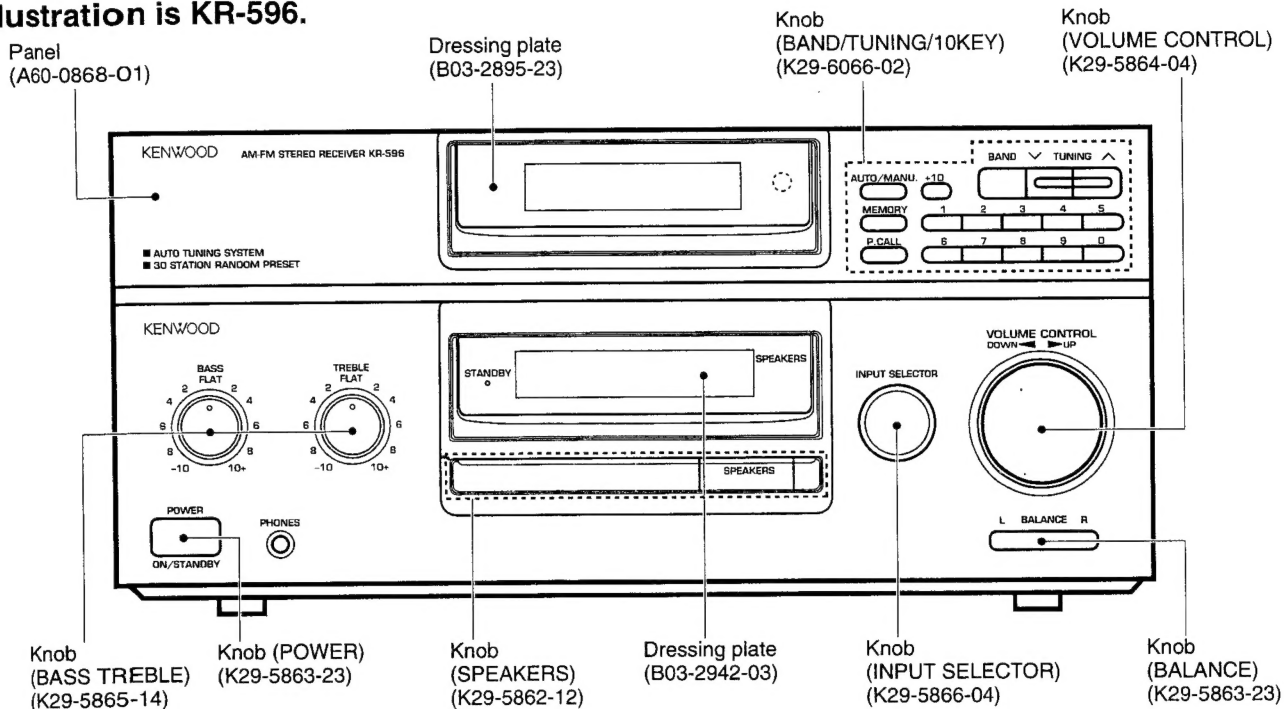
# KR-596/796/896

## SERVICE MANUAL

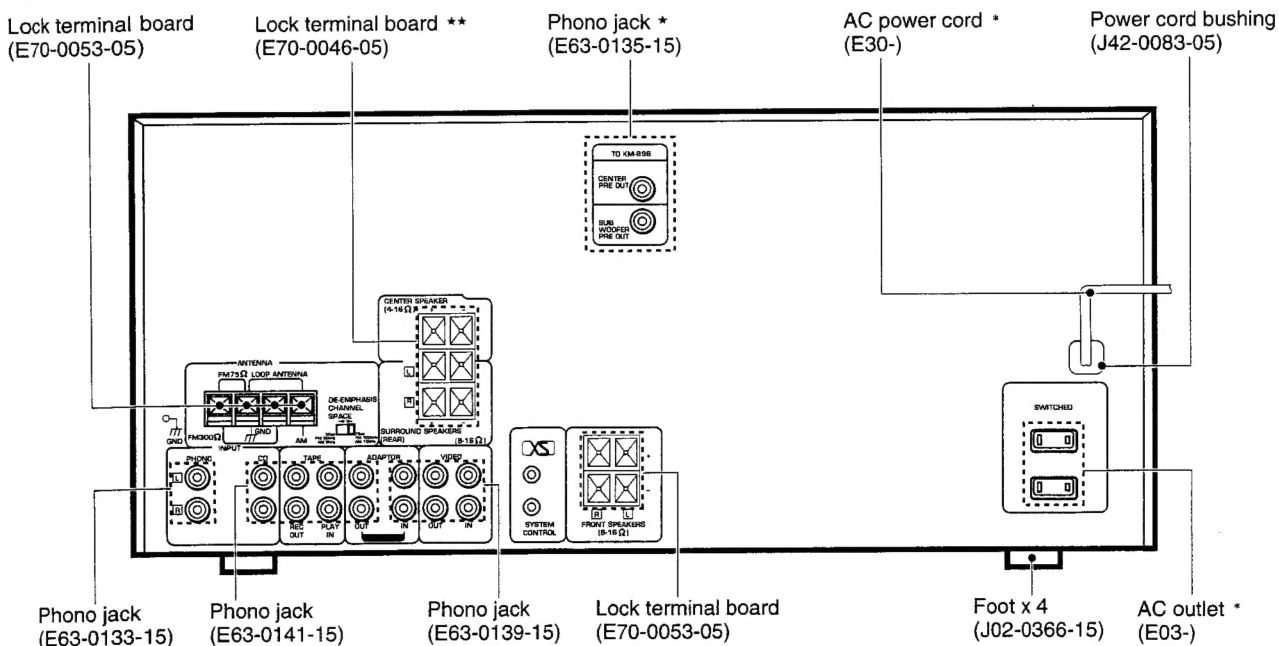
# KENWOOD

© 1996-1 PRINTED IN KOREA  
B51-5136-00 (K) 1683

### Illustration is KR-596.



### Illustration is KR-896.



\* KR-796 is not available.

\* and \*\* KR-596 is not available.

\* Refer to parts list on page 29.

Refer to KR-594/794 service manual (B51-4844-00), if you want to know more information of **CIRCUIT DESCRIPTION**.


# KR-596/796/896

## CONTENTS / ACCESSORIES

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### Accessories

AM loop antenna ass'y ..... 1  
(T90-0195-05)




(The shape of the loop antenna provided  
may differ depending on the area.)

Loop antenna stand  
(J19-3645-05)




Remote control unit ..... 1  
(A70-0975-05 RC-S0501) : KR-596  
(A70-0974-05 RC-S0800) : KR-796/896

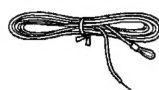


Battery cover  
(A09-0170-08)

Batteries (R6/AA) ..... 2



FM indoor antenna ..... 1  
(T90-0801-05)



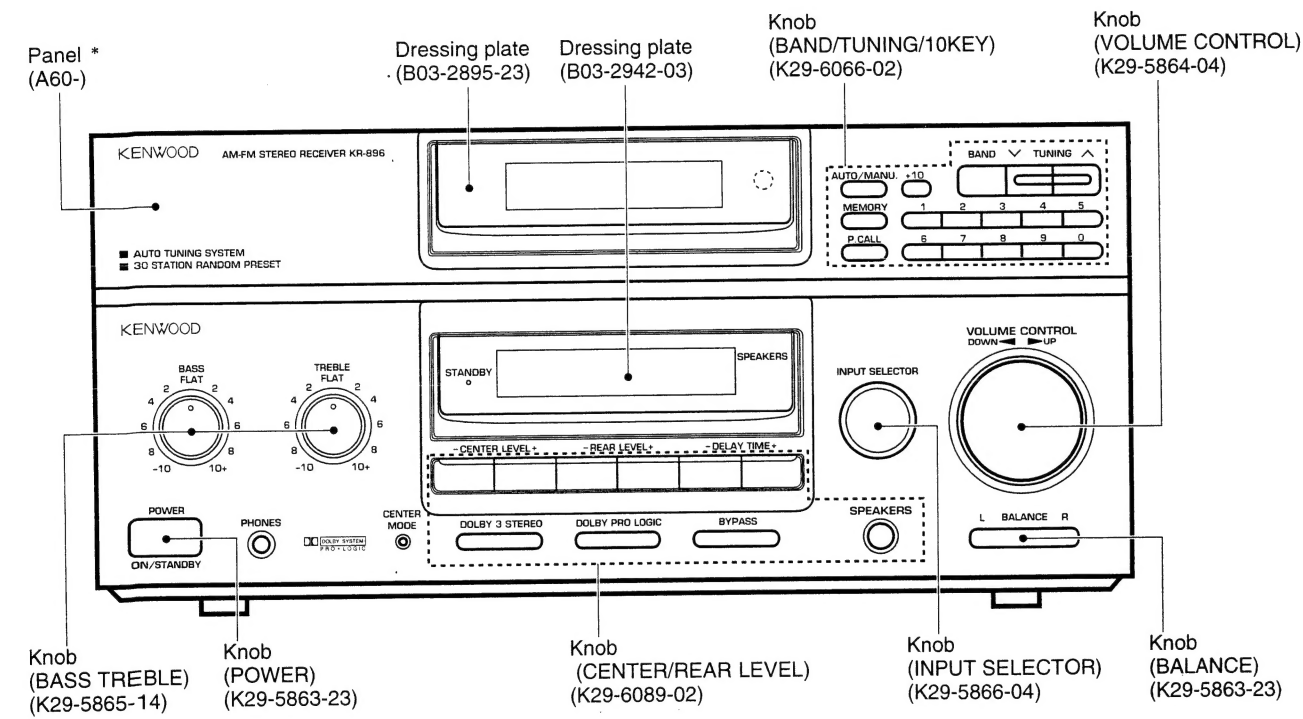
KR-596/796/896

KR-596/796/896

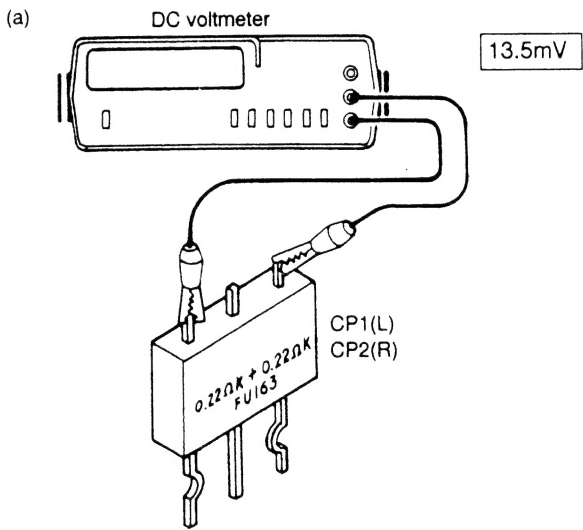
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows : POWER : ON                      SELECTOR : PHONO							
1	IDLE CURRENT	-	Connect a DC voltmeter across CP1(L) CP2(R) (X09-)	Volume:0	VR1 (L) VR 2 (R) (X09-)	13.5mV	(a)

Illustration is KR-796/896.



\* Refer to parts list on page 29.

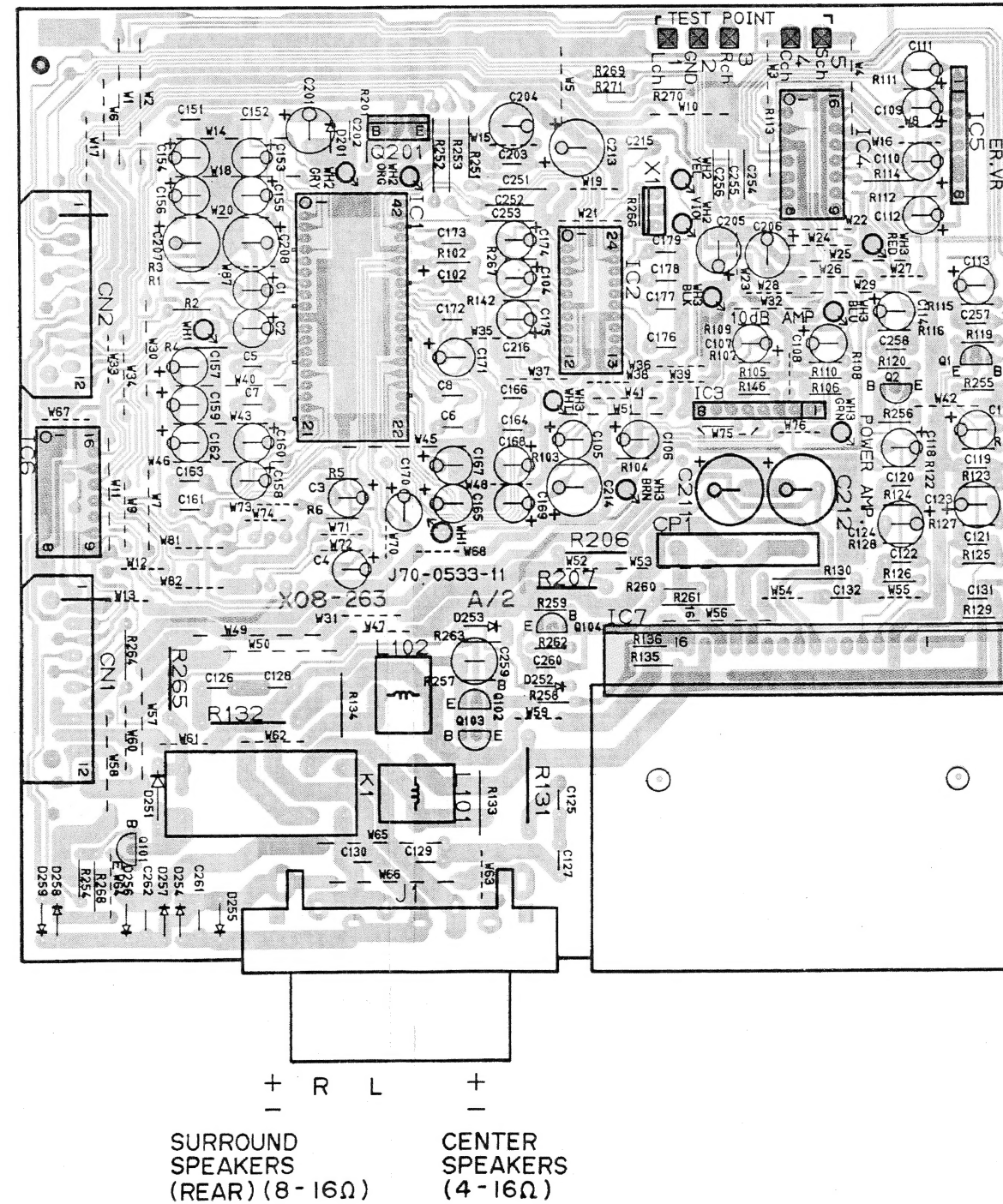
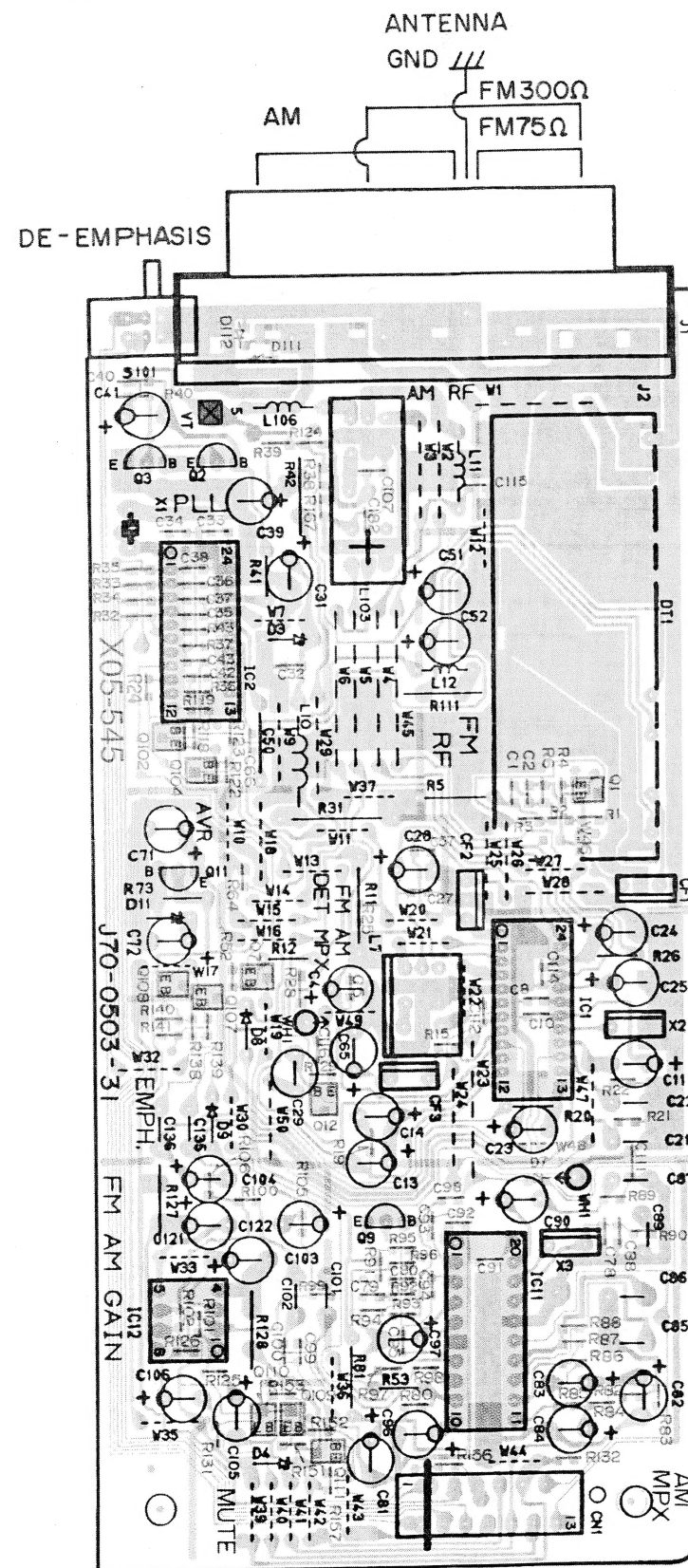


# PC BOARD(Component side view)

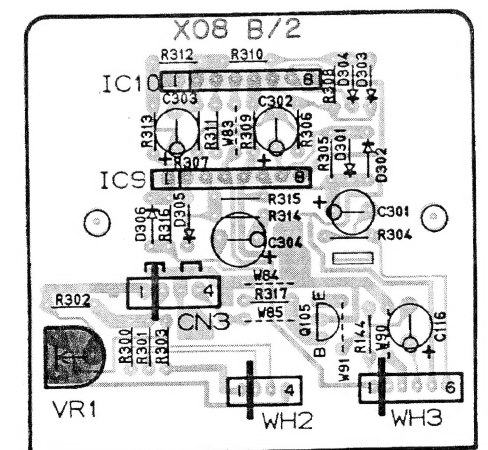
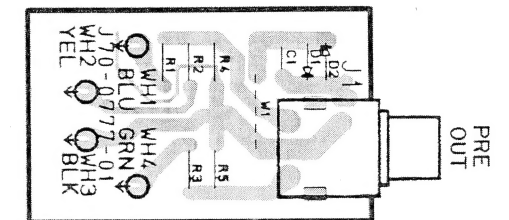
TUNER UNIT : X05-4540-XX

SURROUND UNIT : X08-2630-XX

FRONT  
↑



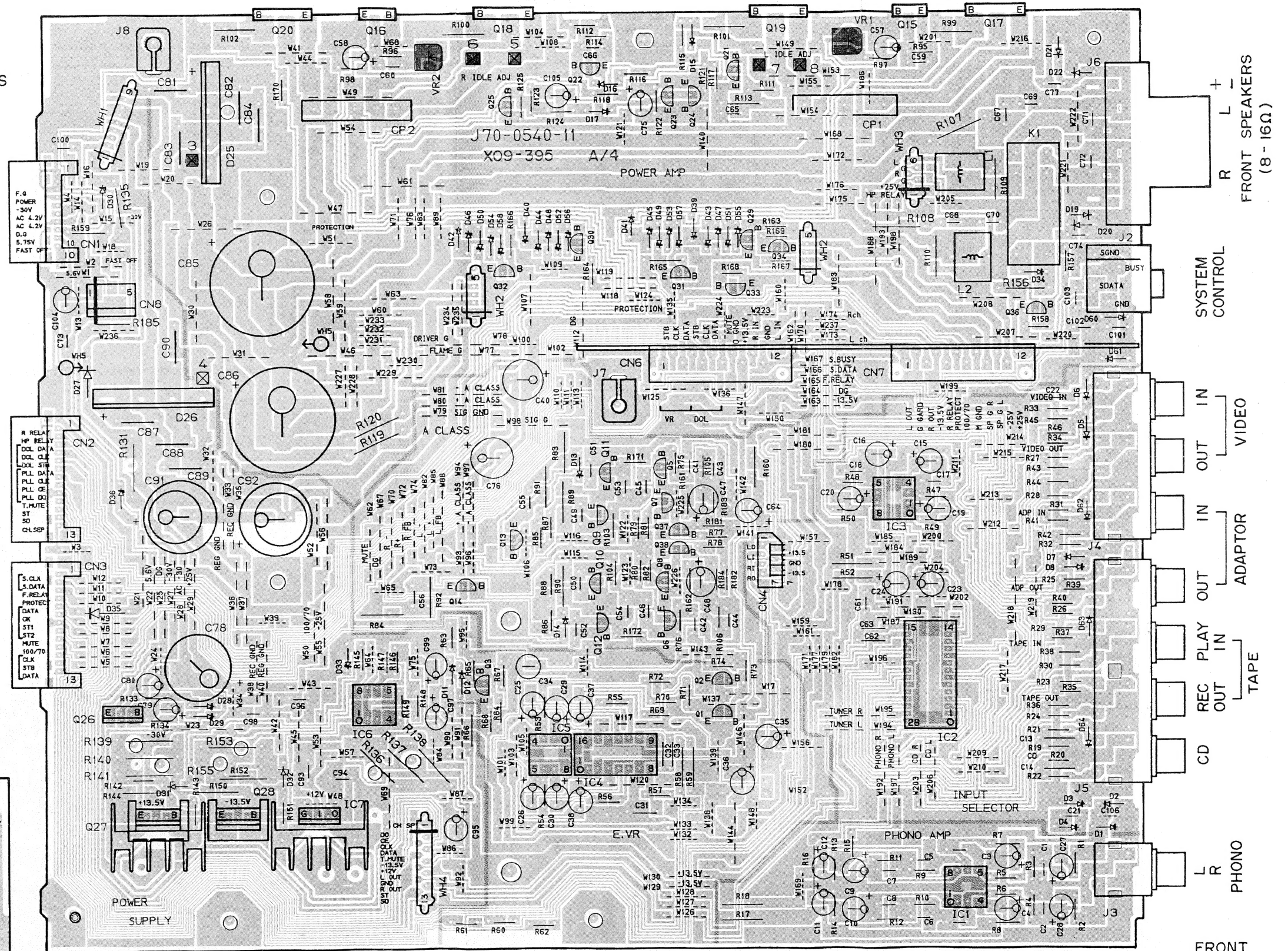
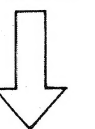
X13-7380-10





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100

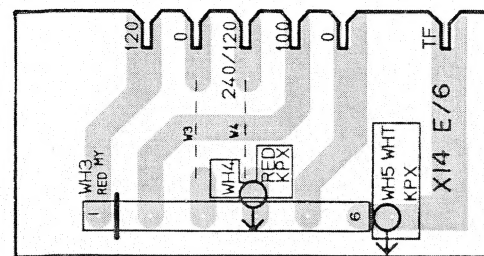


3

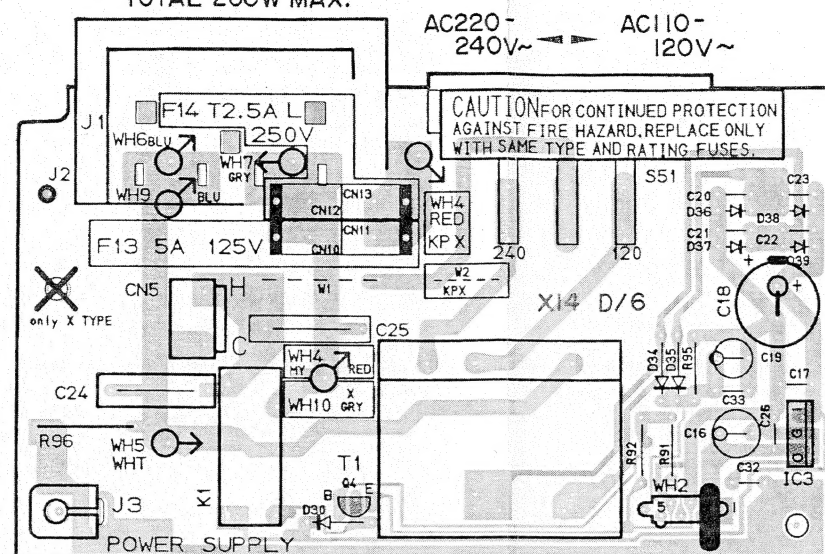


# PC BOARD (Component side view)

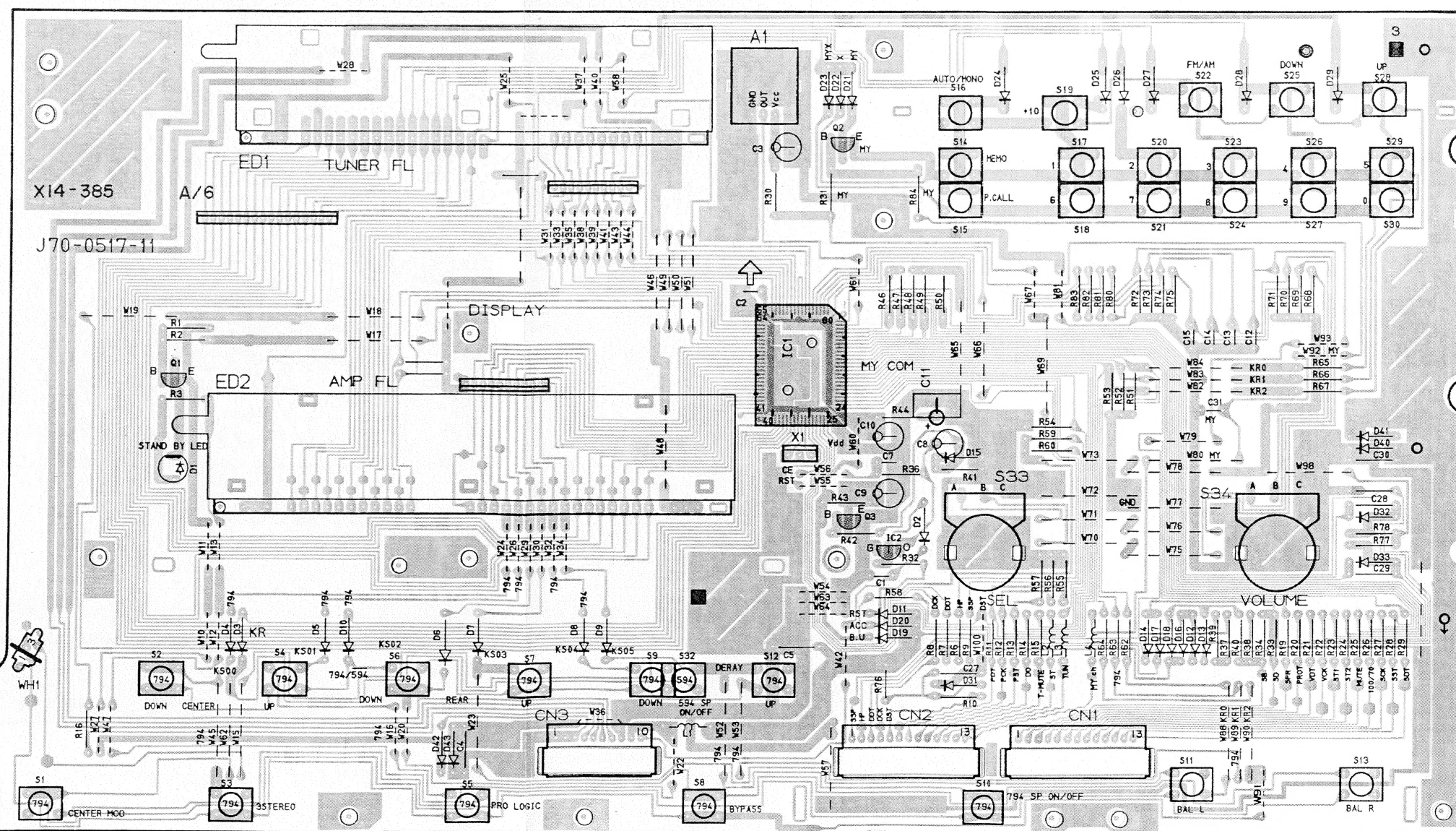
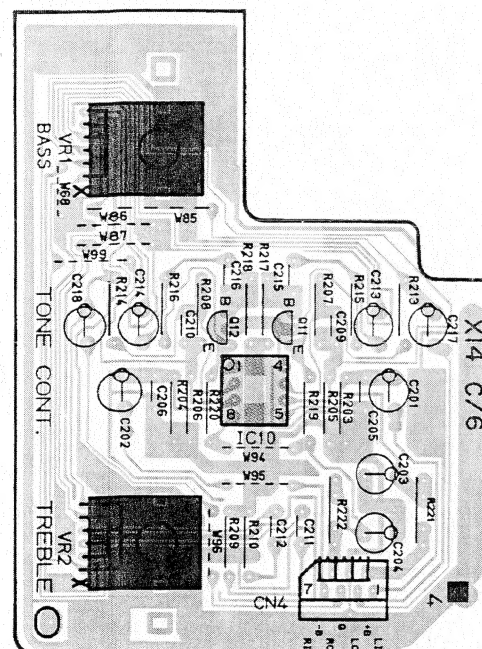
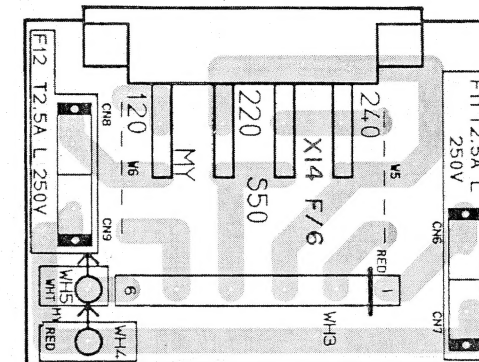
DISPLAY UNIT : X14-3850-XX



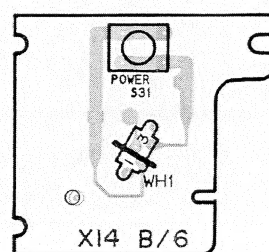
AC110-120V~/220V~/230-240V~  
50/60Hz  
SWITCHED  
TOTAL 200W MAX.



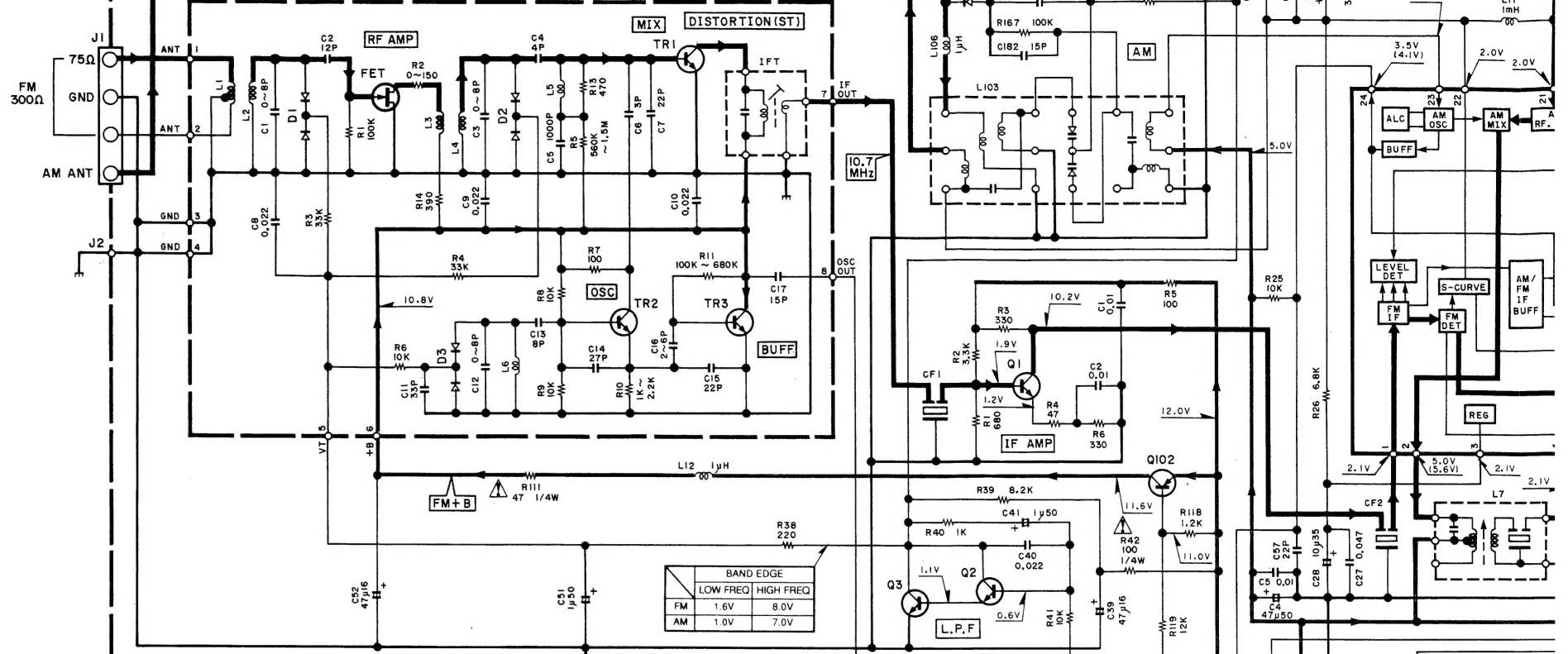
AC220V~  
AC230-240V~ AC110-120V~



FRONT



## TUNER UNIT (X05-4540-XX)

FM FRONT-END  
DT1(W02-1167-05)

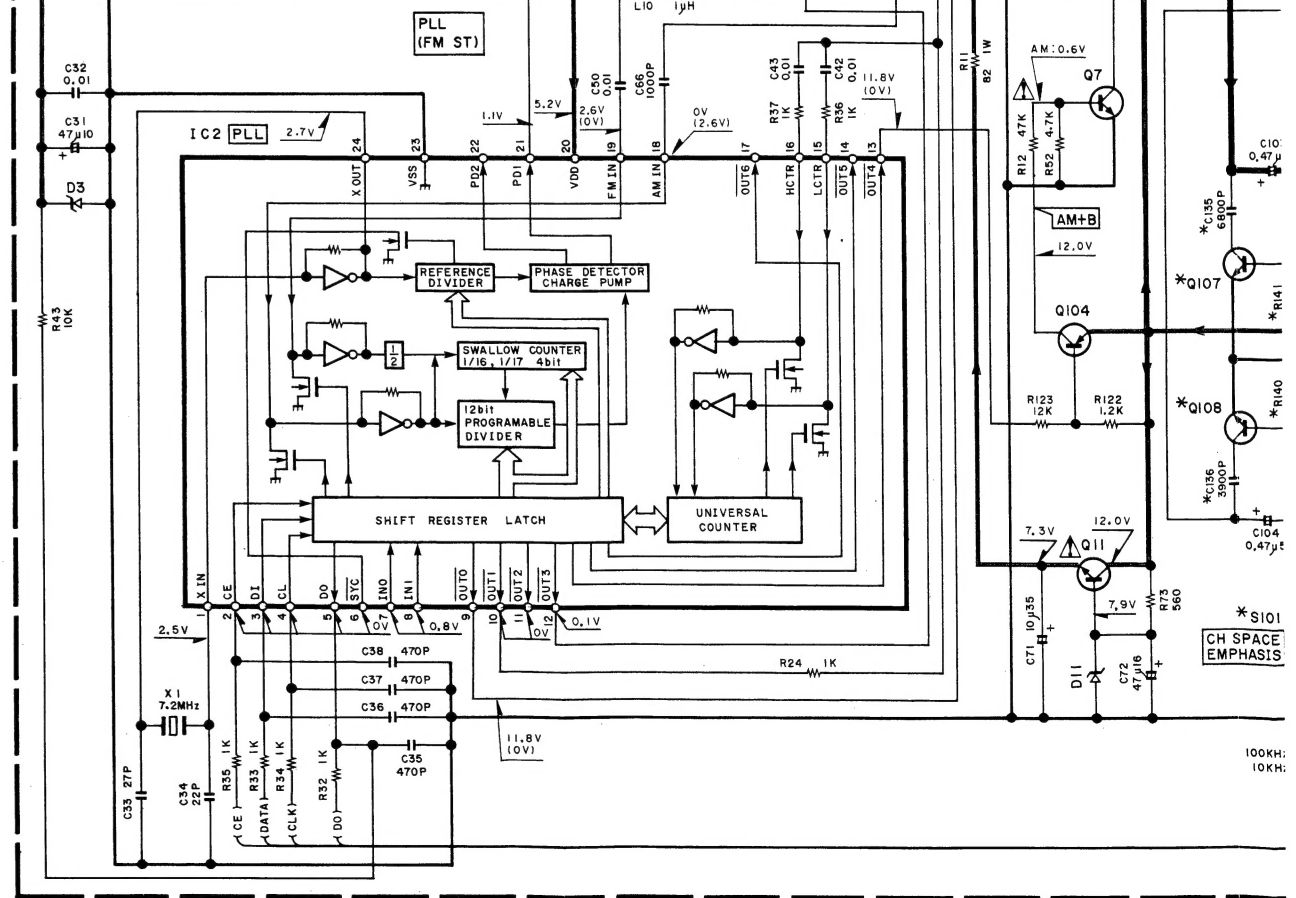
(Y) TYPE: KR-896 ONLY

PRODUCT	DESTINATION	UNIT NAME	Q107	S101	R138	C21	C135
COUNTRY	ABB.		108	22	141		136
USA	K	X05-4540-10	NO	NO	NO	0.024	NO
CANADA	P	X05-4540-21	YES	YES	YES	0.016	YES
PX	Y	X05-4540-71	NO	NO	NO	0.016	NO
AUSTRALIA	X						

IC1 : LA1831-KEN  
 IC2 : LC7218  
 IC12 : NJM4565D

Q1 : 2SC2714(R,O)  
 Q2 : 2SC1845(F,E)  
 Q3 : 2SC2458(Y,G,R) or 2SC3311A(Q,R)  
 or 2SC1740S(Q,R) or 2SC2785(F,E)  
 Q7,107-110 : 2SC2412K  
 Q11 : 2SD863(E,F)  
 Q102,104,111 : 2SA1037K

D3 : HZS5.1N(B2) or RD5.1ES(B2)  
 D4 : HZS3.3N(B2) or RD3.3ES(B2)  
 D7,111,112 : MA110  
 D8 : HSS104 or 1SS133  
 D11 : HZS8.2N(B2) or RD8.2ES(B2)

100KH:  
10KH:

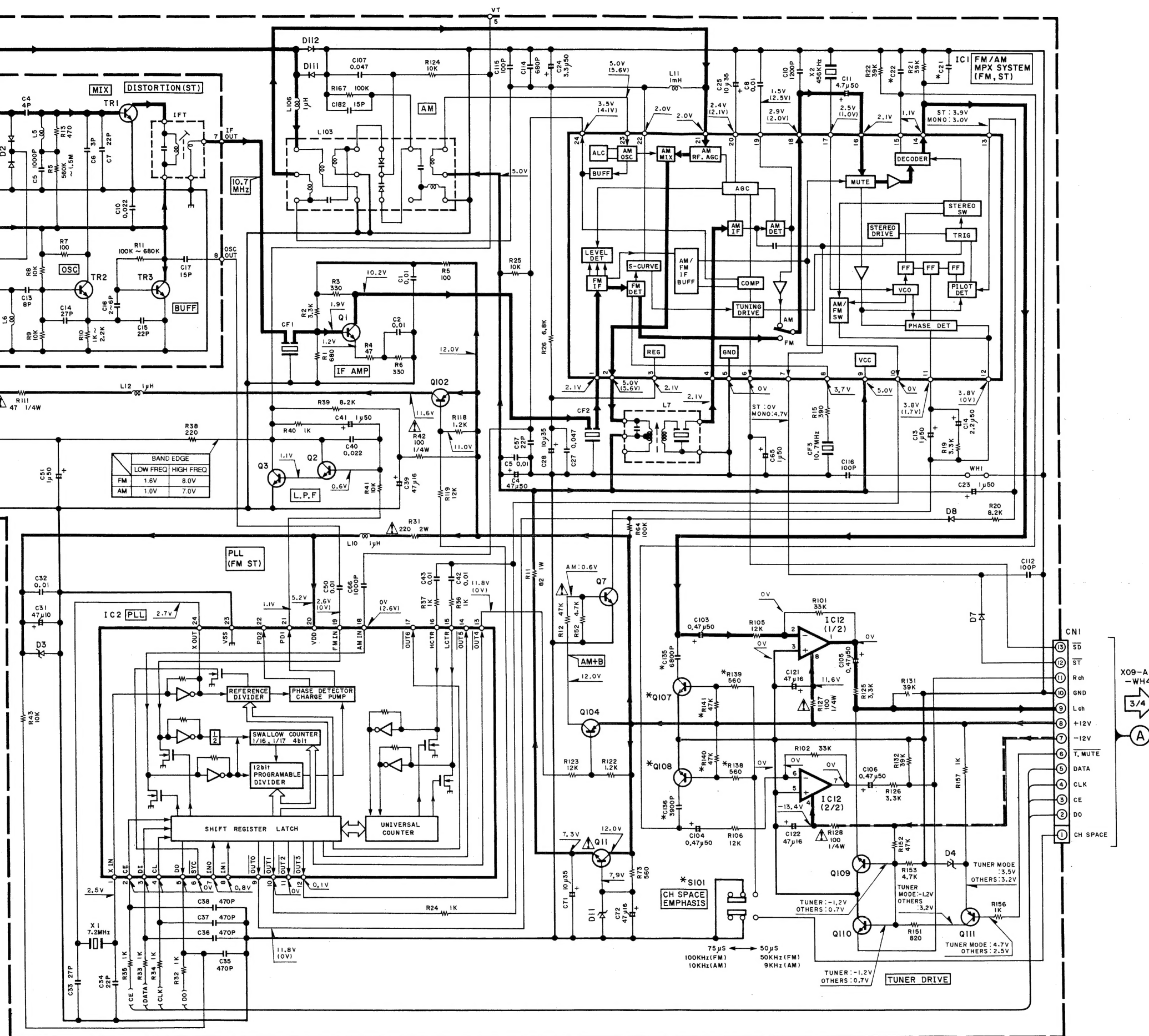


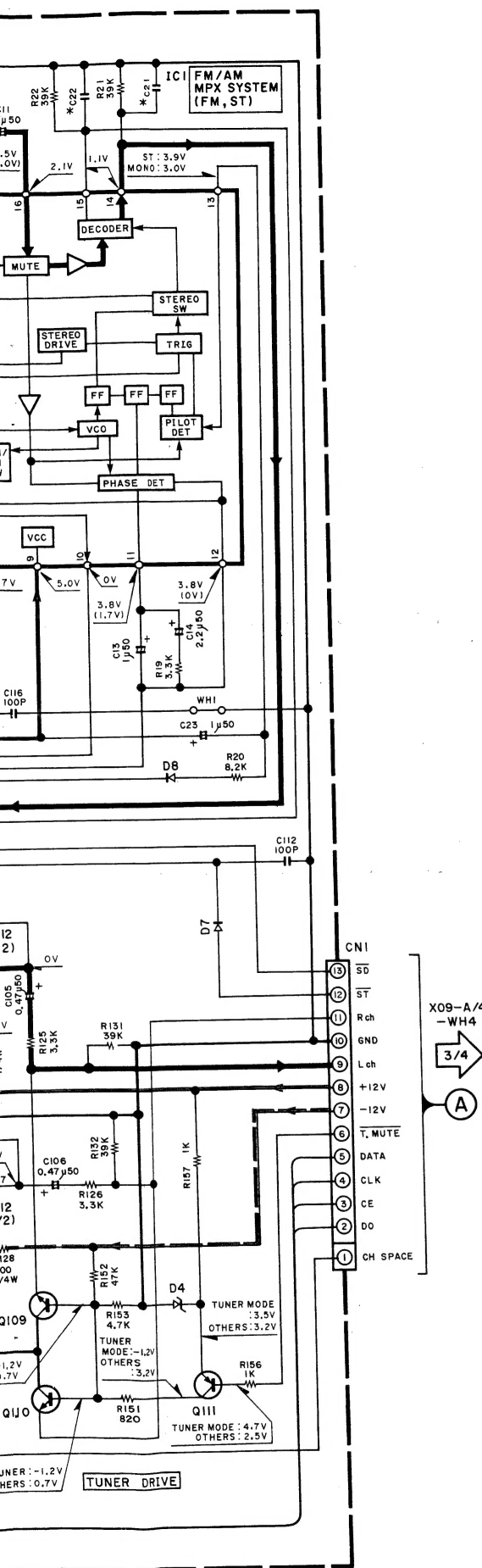
— SIGNAL LINE  
— GND LINE  
— +B LINE  
— -B LINE

UNIT NAME	C107, 108	S101	R138- 141	C21, 22	C135, 136
X05-4540-10	NO	NO	NO	0.024	NO
X05-4540-21	YES	YES	YES	0.016	YES
X05-4540-71	NO	NO	NO	0.016	NO

LA1831-KEN  
LC7218  
NJM4565D  
2SC2714(R,O)  
2SC1845(F,E)  
2SC2458(Y,GR) or 2SC3311A(Q,R)  
2SC1740S(Q,R) or 2SC2785(F,E)  
2SC2412K  
2SD863(E,F)  
2SA1037K

HZS5.1N(B2) or RD5.1ES(B2)  
HZS3.3N(B2) or RD3.3ES(B2)  
MA110  
HSS104 or 1SS133  
HZS8.2N(B2) or RD8.2ES(B2)





KR-596/796/896 (K) (1/4)

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

2SA1123  
2SA992  
2SC1845  
2SC2003  
2SC2631  
2SC2632

2SC2878  
2SD863

2SC2785

2SA1048  
2SC1740S  
2SC2458

2SA1037K  
2SC2412K  
2SC2714

2SB1470BT  
2SD2222BT

2SB1370  
2SD2061

2SA1309A  
2SC3311A

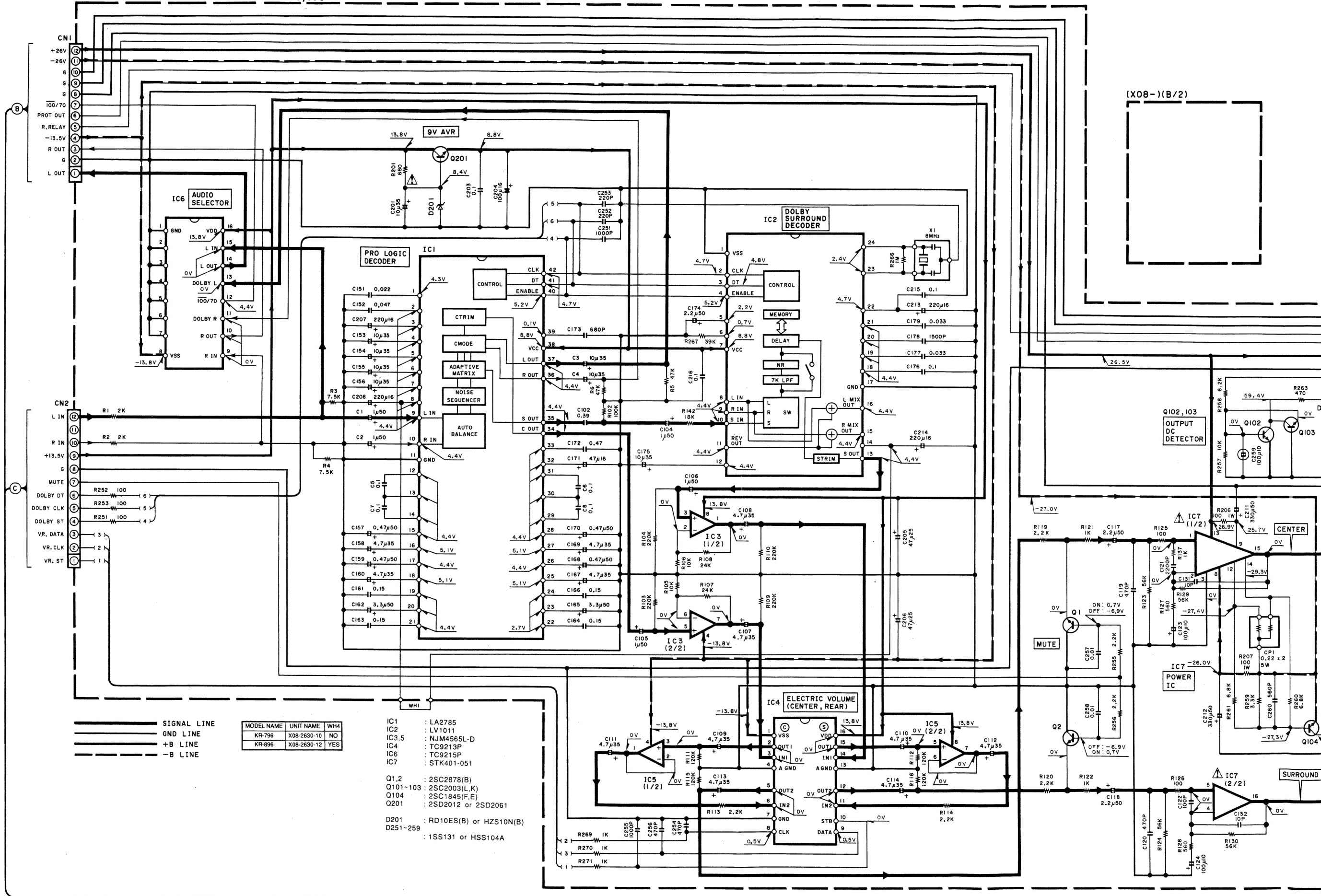
2SB1375  
2SD2012

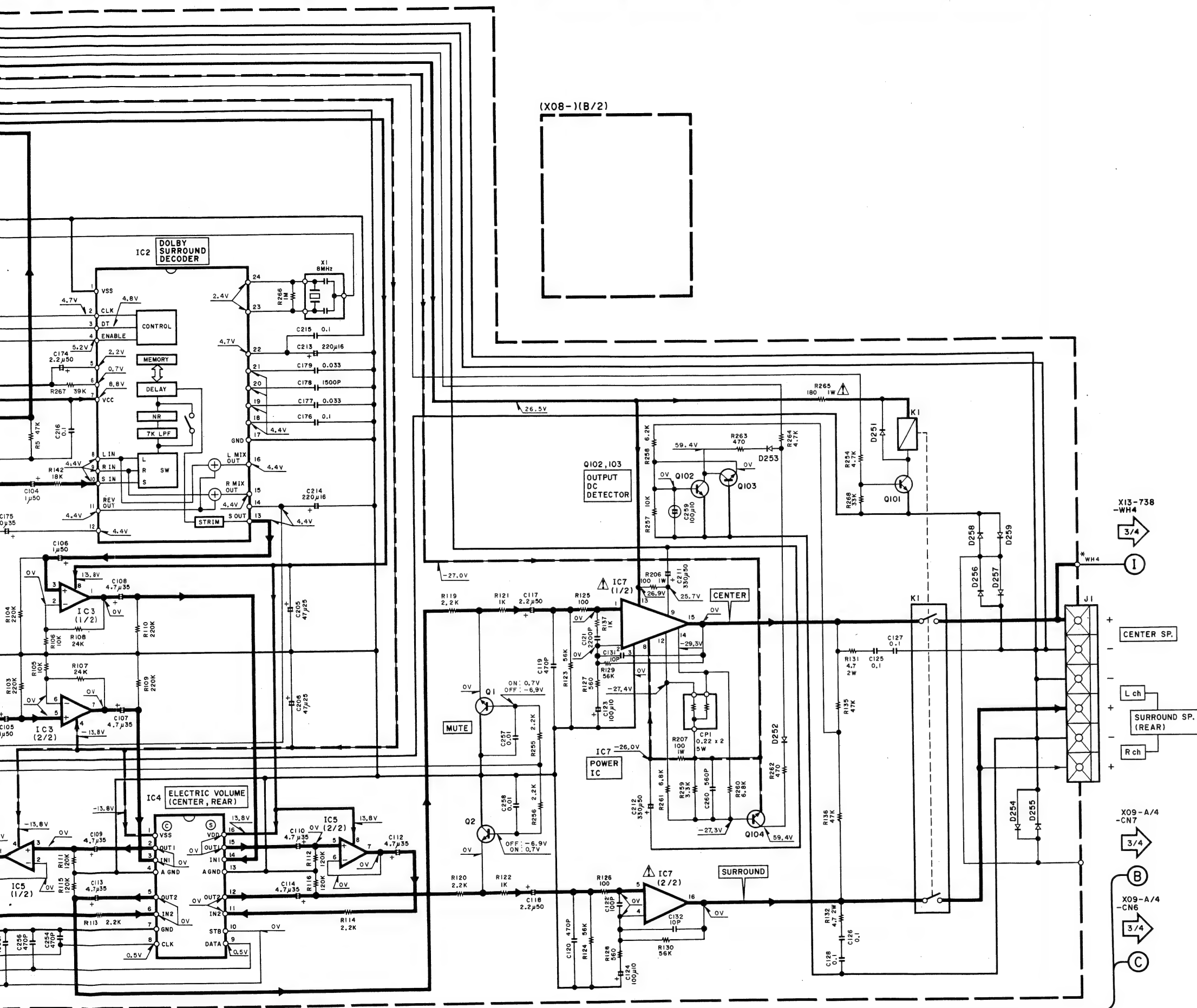
2SC4137F19

Y05-3150-00

**KR-596/796/896**  
**KENWOOD**







KR-796/896 (K) (2/4)

**CAUTION:** For manufacturer's components. For type and rating, resistance must be insulated from

The DC voltage of the voltmeter with vary depending on the DC voltage is

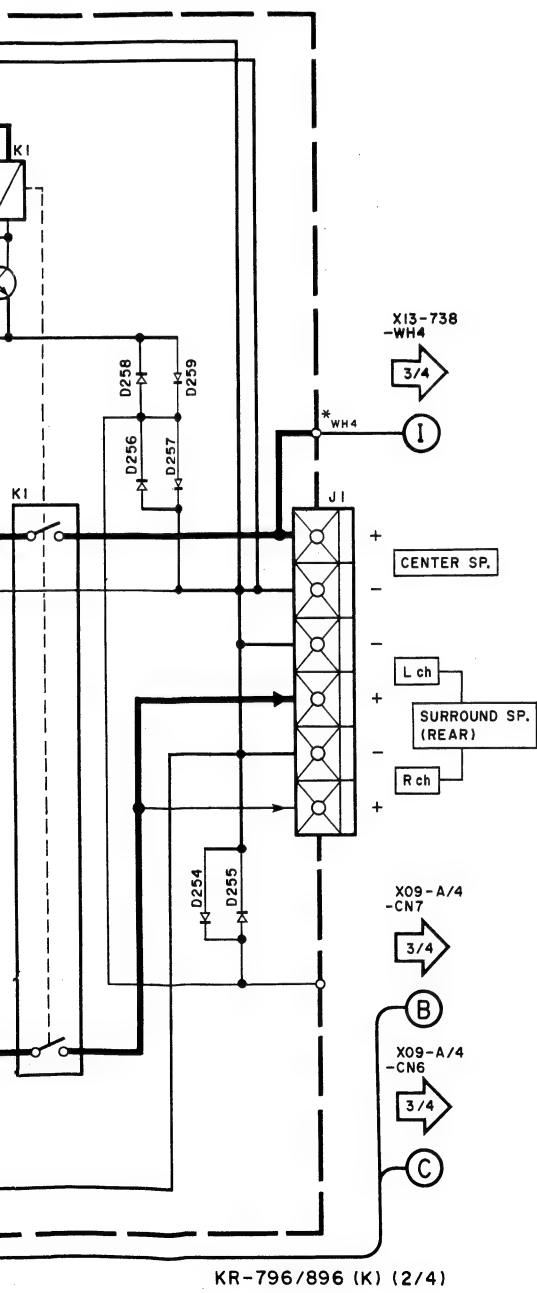
DOLBY and the Corporation. A Licensing Corp.

NJM4565D  
NJM4565D

LA2785

AN780575F  
TA7812S

S-80740AL

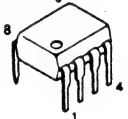


**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

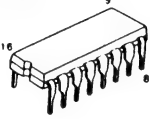
The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

NJM4565D  
NJM4565D-D



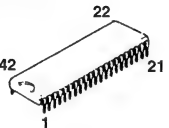
TC9213P  
TC9215P



NJM4580D-D  
XRA15218-DX



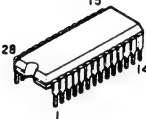
LA2785



UPC7812AHF



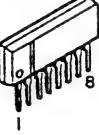
TC9164N



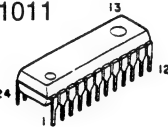
AN780575F  
TA7812S



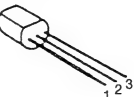
NJM4565L-D



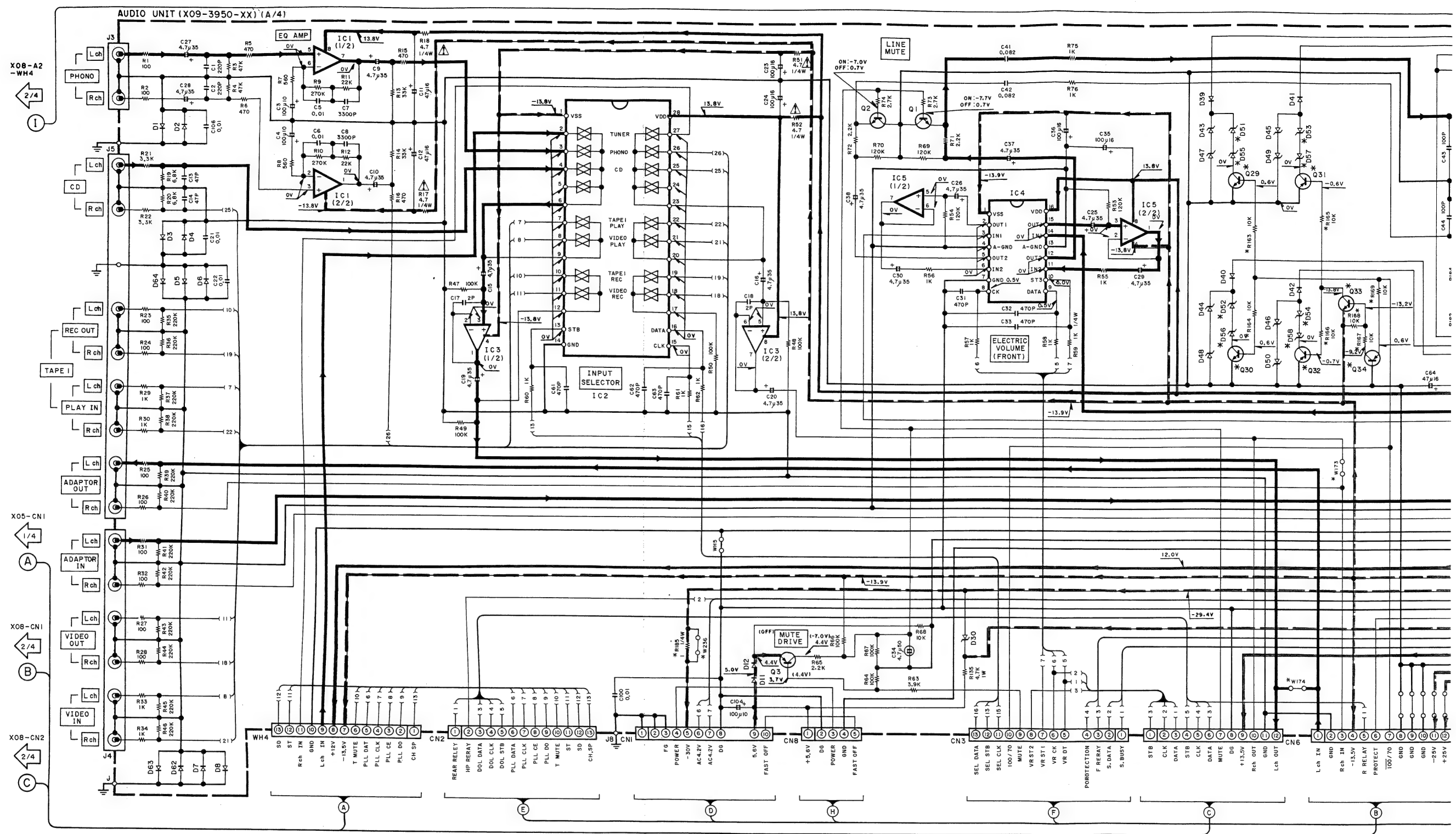
LC7218  
LV1011



S-80740AL

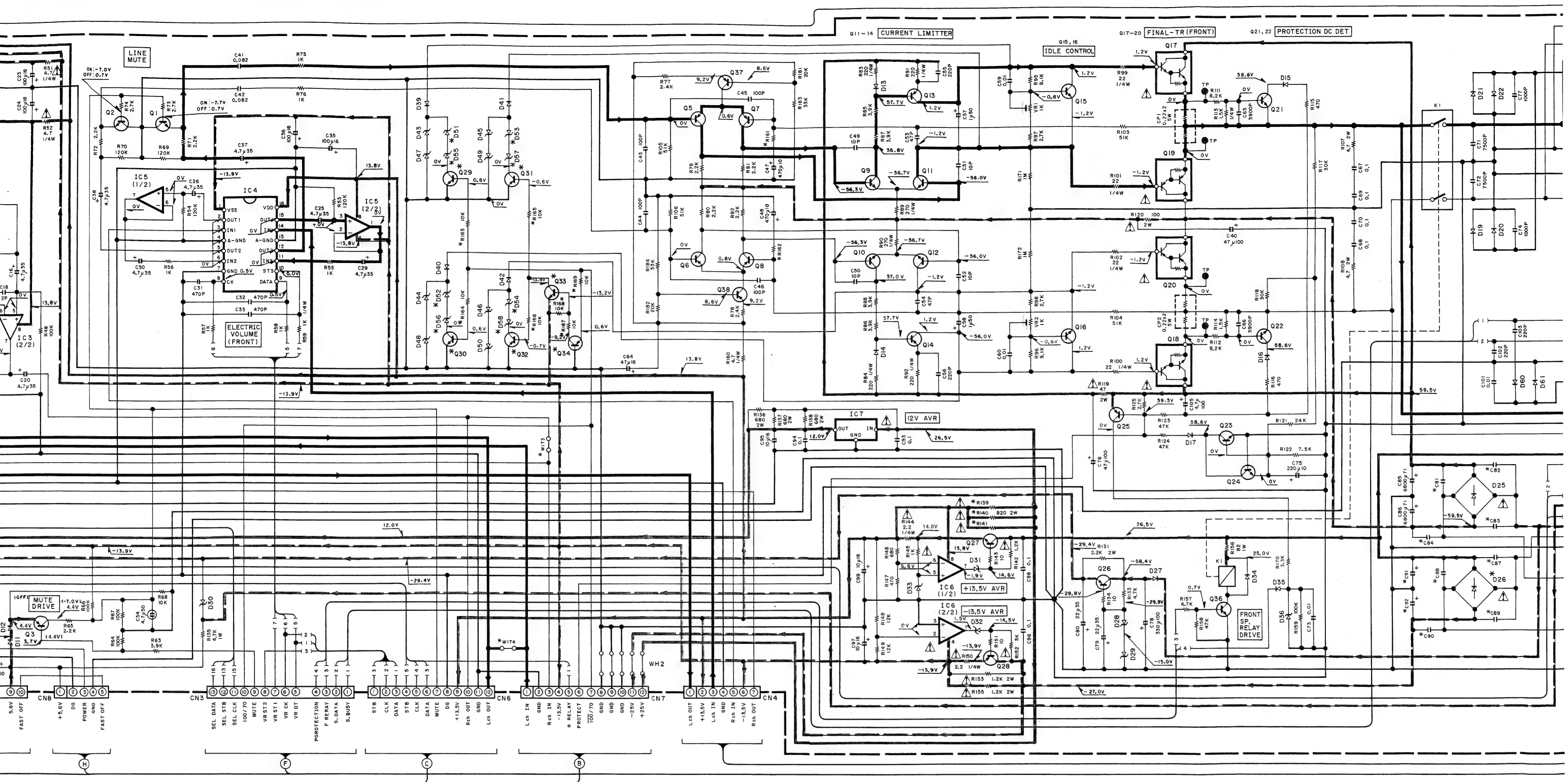


Y05-3150-00



**CAUTION:** For continued safety, replace safety critical components (manufacturer's recommended parts (refer to parts list)).  $\Delta$  indicates safety components. For continued protection against risk of fire, replace only w type and rating fuse(s). To reduce the risk of electric shock, leakage-resistance measurements shall be carried out (exposed parts are ac insulated from the supply circuit) before the appliance is returned to the customer.

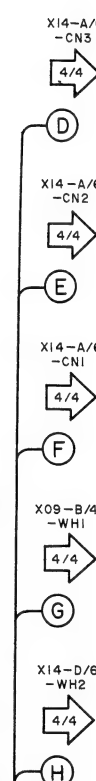




**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

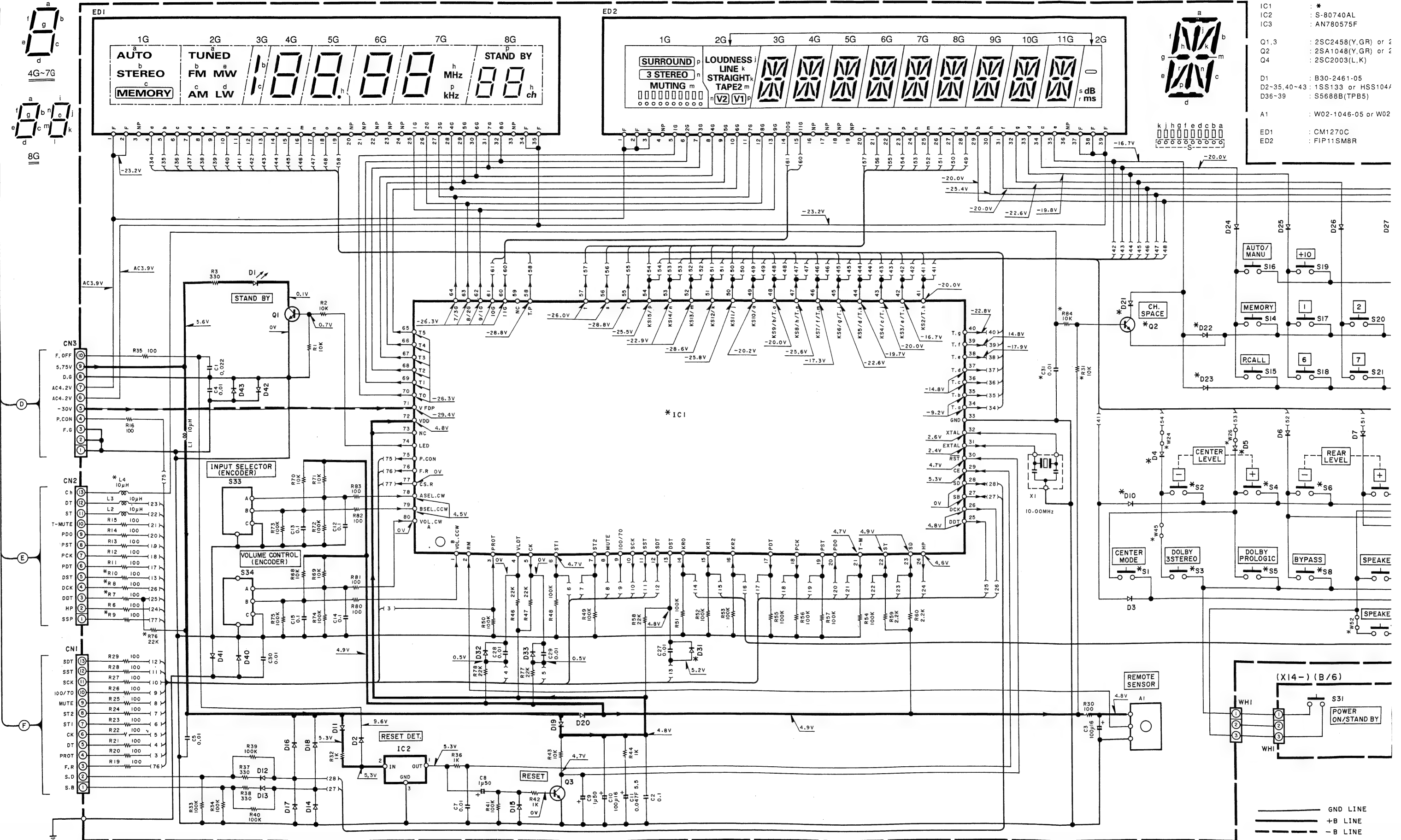






KR-596/796/896  
KENWOOD



(X14-385X-XX) (A/6)



IC1	: *
IC2	: S-80740AL
IC3	: AN780575F
Q1,3	: 2SC2458(Y,GR) or 2
Q2	: 2SA1048(Y,GR) or 2
Q4	: 2SC2003(L,K)
D1	: B30-2461-05
D2-35,40-43	: 1S5133 or HSS104F
D36-39	: S5688B(TPB5)
A1	: W02-1046-05 or W02
ED1	: CM1270C
ED2	: FIP11SM8R

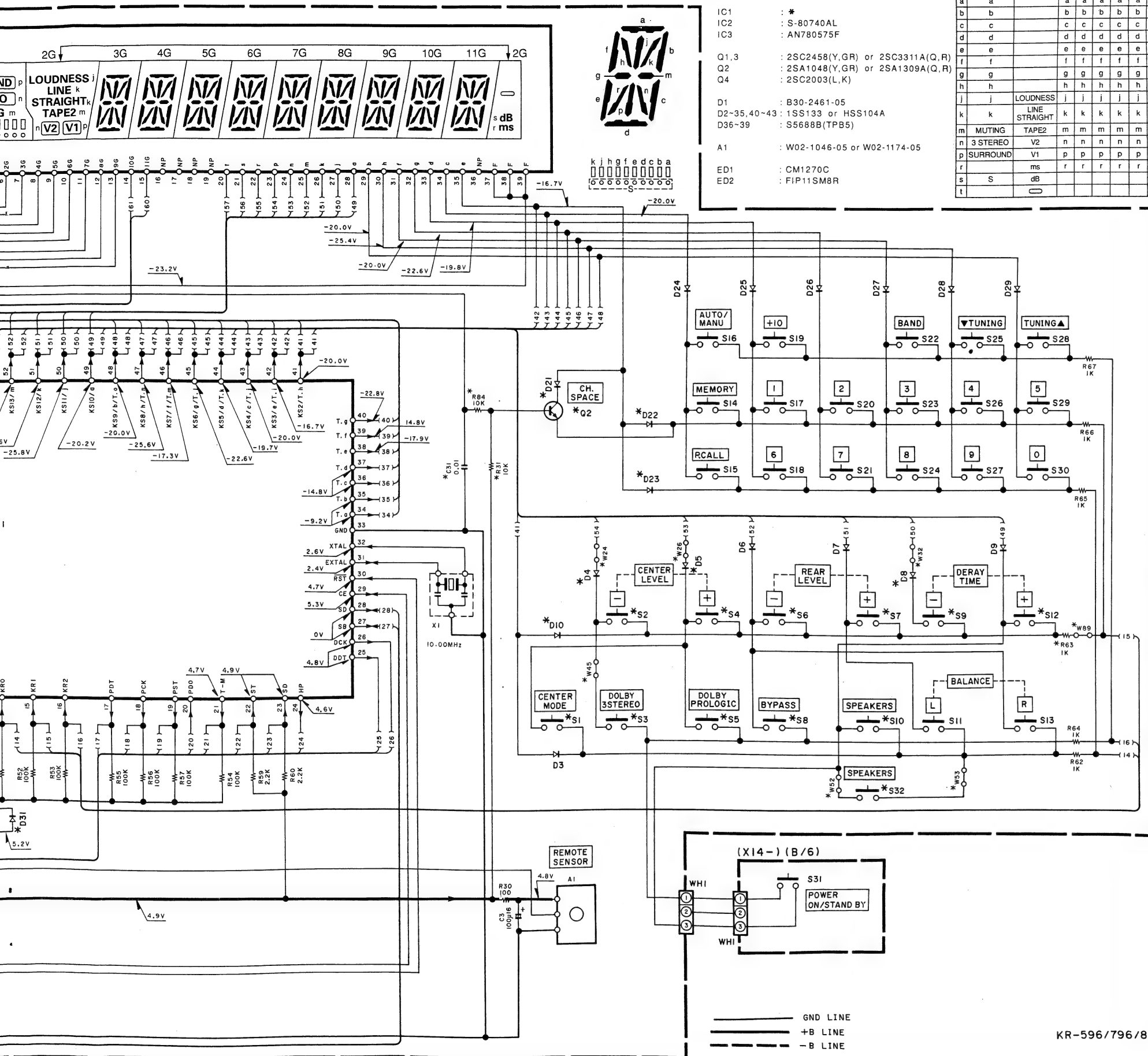
 GND LINE  
 +B LINE  
 -B LINE

### ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
a	a		a	a	a	a	a	a	a	a	a
b	b		b	b	b	b	b	b	b	b	b
c	c		c	c	c	c	c	c	c	c	c
d	d		d	d	d	d	d	d	d	d	d
e	e		e	e	e	e	e	e	e	e	e
f	f		f	f	f	f	f	f	f	f	f
g	g		g	g	g	g	g	g	g	g	g
h	h		h	h	h	h	h	h	h	h	h
j	j	LOUDNESS	j	j	j	j	j	j	j	j	j
k	k	LINE STRAIGHT	k	k	k	k	k	k	k	k	k
m	MUTING	TAPE2	m	m	m	m	m	m	m	m	m
n	3 STEREO	V2	n	n	n	n	n	n	n	n	n
p	SURROUND	V1	p	p	p	p	p	p	p	p	p
r		ms	r	r	r	r	r	r	r	r	r
s	S	dB									
t		□									

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

*The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.*



PRODUCT/PT	DESTINATION COUNTRY	UNIT NAME ABB	Q2	D21	D22	D23	L4	C31	R31, B4	D4.5.8, C27	R7-10, 63/76	W24.26, 32-45.89	W52, 53	S1-10, 12	S32	IO1
CHINA	U.S.A.	K														
MADE	CANADA	P	X14-3850-11													
	AUSTRALIA	Y	Y14-2950-72													
				NO	NO	YES	YES	NO	NO	NO	NO	NO	YES	NO	YES	CX/P82320-1620 or CX/P8232-190Q

[illegible]

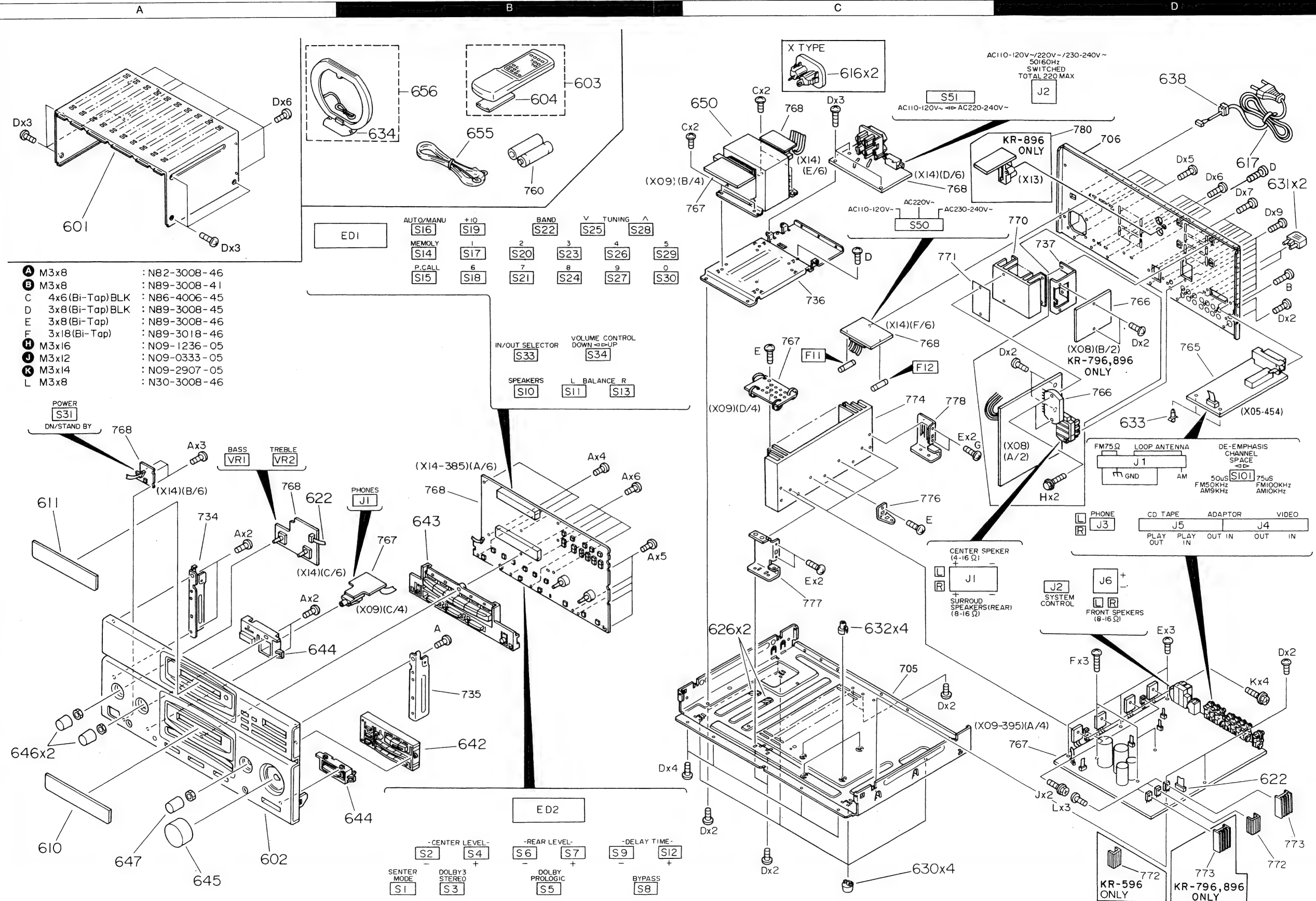
KR-596/796/896(K)(4/4)

Y05-3150-00

KR-596/796/896  
KENWOOD



# KR-596/796/896      KR-596/796/896 EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.



\*New Parts  
Parts without **Parts No.** are not supplied.  
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
Teile ohne **Parts No.** werden nicht geliefert.

1

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
<b>KR-596/796/896</b>						
601	1A		A01-3107-21	METALLIC CABINET		
602	3A	*	A60-0867-01	PANEL (796)		
602	3A	*	A60-0868-01	PANEL (596)		
602	3A	*	A60-0869-01	PANEL (896)		
603	1B		A70-0974-05	REMOTE CONTROLLER ASSY (7,8)		
603	1B		A70-0975-05	REMOTE CONTROLLER ASSY (596)		
604	1B		A09-0170-08	BATTERY COVER		
610	3A		B03-2942-03	DRESSING PLATE		
611	2A		B03-2895-23	DRESSING PLATE		
			B46-0092-43	WARRANTY CARD		
			B46-0096-53	WARRANTY CARD		
			B46-0121-33	WARRANTY CARD		
			B58-0964-13	CAUTION CARD (UL)		
			B58-0965-13	CAUTION CARD (T,X TYPE PL)		
			B58-0967-03	CAUTION CARD (P TYPE PL)		
			B58-0968-04	CAUTION CARD (896)		
			B58-1505-03	CAUTION CARD		
			B59-1104-00	SERVICE DIRECTORY (896)		
		*	B60-2531-00	INSTRUCTION MANUAL (ENGLISH)		
		*	B60-2532-00	INSTRUCTION MANUAL (FRENCH)		
616	1C	*	E03-0326-05	AC OUTLET		
617	1D		E30-2787-05	AC POWER CORD		
617	1D		E30-2789-05	AC POWER CORD (896)		
617	1D		E30-2790-05	AC POWER CORD		
622	2A,3D		E35-0765-05	FLAT CABLE		
			G11-2221-04	CUSHION		
			H13-0188-04	CARTON BOARD		
			H10-5698-02	POLYSTYRENE FOAMED FIXTURE		
			H10-5699-02	POLYSTYRENE FOAMED FIXTURE		
			H25-0232-04	PROTECTION BAG (235X350X0.03)		
			H25-1517-04	PROTECTION BAG		
		*	H50-1786-04	ITEM CARTON CASE (796)		
		*	H50-1787-04	ITEM CARTON CASE (596)		
		*	H50-1788-04	ITEM CARTON CASE (896)		
630	3C		J02-0366-15	FOOT		
631	1D		J12-0091-15	PIN		
632	3G		J19-3657-14	UNIT HOLDER		
633	2D		J19-3642-05	UNIT HOLDER		
634	3C		J19-3645-05	LOOP ANTENNA STAND		
638	1D	*	J42-0083-05	POWER CORD BUSHING		
		*	J61-0098-05	WIRE BAND		
642	3B		K29-6066-02	KNOB		
643	2B		K29-5862-12	KNOB (596)		
643	2B		K29-6089-02	KNOB (796)(896)		
644	3B		K29-5863-23	KNOB		
645	3A		K29-5864-04	KNOB		
646	3A		K29-5865-14	KNOB		
647	3A		K29-5866-04	KNOB		
650	1C		L07-0880-15	POWER TRANSFORMER(796)(896)		
650	1C		L07-0881-15	POWER TRANSFORMER (896)		

L : Scandinavia K : USA P : Canada (596) : KR-596 (796) : KR-796  
Y : PX(Far East, Hawaii) T : Europe E : Europe (896) : KR-896  
Y : AAFES(Europe) X : Australia M : Other Areas indicates safety critical components.

\*New Parts  
Parts without **Parts No.** are not supplied.  
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
Teile ohne **Parts No.** werden nicht geliefert.

2

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
650	1C		L07-0882-15	POWER TRANSFORMER (796)(896)		
650	1C		L07-0883-25	POWER TRANSFORMER (596)		
650	1C		L07-0885-15	POWER TRANSFORMER (596)		
650	1C		L07-0970-15	POWER TRANSFORMER (596)		
655	1B		T90-0801-05	LEAD WIRE ANTENNA		
656	1B		T90-0195-05	LOOP ANTENNA		
<b>TUNER UNIT : X05-4540-XX</b>						
C1,2			CK73FB1H103K	CHIP C		
C4			CE04LW1A470M	ELECTRO		
C5			CK73FB1H103K	CHIP C		
C8			CK73FB1H103K	CHIP C		
C10			CK73FB1H102K	CHIP C		
C11			CE04LW1H4R7M	ELECTRO		
C13			CE04LW1H010M	ELECTRO		
C14			CE04LW1H2R2M	ELECTRO		
C21,22			CQ92FM1H163J	MYLAR		
C21,22			CQ92FM1H243J	MYLAR		
C23			CE04LW1H010M	ELECTRO		
C24			CE04LW1H3R3M	ELECTRO		
C25			CE04LW1V100M	ELECTRO		
C27			CK73FB1E473K	CHIP C		
C28			CE04LW1V100M	ELECTRO		
C31			CE04LW1A470M	ELECTRO		
C32			CK73FB1H103K	CHIP C		
C33			CK73FCH1H270J	CHIP C		
C34			CK73FCH1H220J	CHIP C		
C35-38			CK73FB1H471K	CHIP C		
C39			CE04LW1C470M	ELECTRO		
C40			CK73FB1H223K	CHIP C		
C41			CE04LW1H010M	ELECTRO		
C42,43			CK73FB1H103K	CHIP C		
C50			C91-0769-05	CERAMIC		
C51			CE04LW1H010M	ELECTRO		
C52			CE04LW1C470M	ELECTRO		
C57			CK73FSL1H220J	CHIP C		
C65			CE04LW1H010M	ELECTRO		
C66			CK73FB1H102K	CHIP C		
C71			CE04LW1V100M	ELECTRO		
C72			CE04LW1C470M	ELECTRO		
C103-106			CE04LW1HR47M	ELECTRO		
C107			CK73FB1E473K	CHIP C		
C112			CK73FSL1H101J	CHIP C		
C114			CK73FB1H681K	CHIP C		
C115,116			CK73FSL1H101J	CHIP C		
C121,122			CE04LW1C470M	ELECTRO		
C135,136			CQ92FM1H682J	MYLAR		
C182			CK73FSL1H150J	CHIP C		
CN1			E40-4234-05	FLAT CABLE CONNECTOR		
J1			E70-0051-05	LOCK TERMINAL BOARD		
J2			F10-0920-14	SHIELDING PLATE		
CF1,2			L72-0531-05	CERAMIC FILTER		
CF3			L72-0574-05	CERAMIC FILTER		
L7			L30-0467-05	AM IFT		

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PARTS LIST

KR-596/796/896

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
L10			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L11			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L12			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L103			L39-1328-05	COMBINATION COIL		
L106			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
X1			L77-2148-05	CRYSTAL RESONATOR(7.2MHZ)		
X2			L78-0295-05	RESONATOR (456KHZ)		
R1			RK73FB2A681J	CHIP R 680 J 1/10W		
R2			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R3			RK73FB2A331J	CHIP R 330 J 1/10W		
R4			RK73FB2A470J	CHIP R 47 J 1/10W		
R6			RK73FB2A331J	CHIP R 330 J 1/10W		
R11			RS14KB3A820J	FL-PROOF RS 82 J 1W		
R15			RK73FB2A391J	CHIP R 390 J 1/10W		
R19			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R21,22			RK73FB2A393J	CHIP R 39K J 1/10W		
R24			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R25			RK73FB2A103J	CHIP R 10K J 1/10W		
R31			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R32-37			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R38			RK73FB2A221J	CHIP R 220 J 1/10W		
R39			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R40			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R42			RD14NB2E101J	RD 100 J 1/4W		
R43			RK73FB2A103J	CHIP R 10K J 1/10W		
R52			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R64			RK73FB2A104J	CHIP R 100K J 1/10W		
R101,102			RK73FB2A333J	CHIP R 33K J 1/10W		
R105,106			RK73FB2A123J	CHIP R 12K J 1/10W		
R111			RD14NB2E470J	RD 47 J 1/4W		
R118			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R119			RK73FB2A123J	CHIP R 12K J 1/10W		
R122			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R123			RK73FB2A123J	CHIP R 12K J 1/10W		
R124			RK73FB2A103J	CHIP R 10K J 1/10W		
R125,126			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R127,128			RD14NB2E101J	RD 100 J 1/4W		
R131,132			RK73FB2A393J	CHIP R 39K J 1/10W		
R138,139			RK73FB2A561J	CHIP R 560 J 1/10W		
R140,141			RK73FB2A473J	CHIP R 47K J 1/10W		
R151			RK73FB2A821J	CHIP R 820 J 1/10W		
R152			RK73FB2A473J	CHIP R 47K J 1/10W		
R153			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R156,157			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R167			RK73FB2A104J	CHIP R 100K J 1/10W		
W46			R92-0670-05	CHIP R 0 OHM		
W48			R92-0670-05	CHIP R 0 OHM		
S101			S62-0034-05	SLIDE SWITCH		
D3			HZS5.1N(B2)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4			HZS3.3N(B2)	ZENER DIODE		
D4			RD3.3ES(B2)	ZENER DIODE		
D7			MA111	DIODE		

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D8 D8 D11 D11 D111,112			HSS104 1SS133 HZS8.2N(B2) RD8.2ES(B2) MA111	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
IC1 IC2 IC12 Q1 Q2			LA1831A-KEN LC7218 NJM4565D 2SC2714(R,O) 2SC1845(F,E)	ANALOGUE IC IC(PLL FREQUENCY SYNTHESIZER) IC(OP AMP X2) TRANSISTOR TRANSISTOR		
Q2 Q3 Q3 Q7 Q11			2SC2389S(S,E) 2SC1740S(Q,R) 2SC2785(F,E) 2SC2412K 2SD863(E,F)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q102 Q104 Q107-110 Q109,110 Q111			2SA1037K 2SA1037K 2SC2412K 2SC2412K 2SA1037K	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	Y KPx	
DT1			W02-2512-05	FM FRONT-END ASSY		
SURROUND UNIT : X08-2630-XX(KR-796/896)						
C1,2 C3,4 C5-8 C102 C104-106			CE04LW1H010M CE04LW1V100M CF92FV1H104J CF92FV1H394J CE04LW1H010M	ELECTRO ELECTRO MF-C MF-C ELECTRO	1.0UF 10UF 0.10UF 0.39UF 1.0UF	50WV 35WV J J 50WV
C107-114 C117,118 C119,120 C121 C122			CE04LW1V4R7M CE04LW1H2R2M CK45FB1H471K CK45FB1H222K CC45FSL1H101J	ELECTRO ELECTRO CERAMIC CERAMIC CERAMIC	4.7UF 2.2UF 470PF 2200PF 100PF	35WV 50WV K K J
C123,124 C125-128 C131,132 C151 C152			CE04LW1A101M CF92FV1H104J CC45FSL1H100D CF92FV1H223J CQ92FM1H473J	ELECTRO MF-C CERAMIC MF-C MYLAR	100UF 0.10UF 10PF 0.022UF 0.047UF	10WV J D J J
C153-156 C157 C158 C159 C160			CE04LW1V100M CE04LW1HR47M CE04LW1V4R7M CE04LW1HR47M CE04LW1V4R7M	ELECTRO ELECTRO ELECTRO ELECTRO ELECTRO	10UF 0.47UF 4.7UF 0.47UF 4.7UF	35WV 50WV 35WV 50WV 35WV
C161 C162 C163,164 C165 C166			CF92FV1H154J CE04LW1H3R3M CF92FV1H154J CE04LW1H3R3M CF92FV1H154J	MF-C ELECTRO MF-C ELECTRO MF-C	0.15UF 3.3UF 0.15UF 3.3UF 0.15UF	J 50WV J 50WV J
C167 C168 C169 C170 C171			CE04LW1V4R7M CE04LW1HR47M CE04LW1V4R7M CE04LW1HR47M CE04LW1C470M	ELECTRO ELECTRO ELECTRO ELECTRO ELECTRO	4.7UF 0.47UF 4.7UF 0.47UF 47UF	35WV 50WV 35WV 50WV 16WV
C172 C173			CF92FV1H474J CK45FB1H681K	MF-C CERAMIC	0.47UF 680PF	J K

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C174			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C175			CE04LW1V100M	ELECTRO 10UF 35WV		
C176			CF92FV1H105J	MF-C 1.0UF J		
C177			CF92FV1H333J	MF-C 0.033UF J		
C178			CF92FV1H152J	MF-C 1500PF J		
C179			CF92FV1H333J	MF-C 0.033UF J		
C201			CE04LW1V100M	ELECTRO 10UF 35WV		
C203			CF92FV1H104J	MF-C 0.10UF J		
C204			CE04LW1C101M	ELECTRO 100UF 16WV		
C205,206			CE04LW1E470M	ELECTRO 47UF 25WV		
C207,208			CE04LW1C221M	ELECTRO 220UF 16WV		
C211,212			CE04LW1H331M	ELECTRO 330UF 50WV		
C213,214			CE04LW1C221M	ELECTRO 220UF 16WV		
C215,216			CF92FV1H104J	MF-C 0.10UF J		
C251			C91-0757-05	CERAMIC 1000PF K		
C252,253			C91-0749-05	CERAMIC 220PF K		
C254			C91-0753-05	CHIP C 470PF K		
C255			C91-0757-05	CERAMIC 1000PF K		
C256			C91-0753-05	CHIP C 470PF K		
C257,258			CK45FF1H103Z	CERAMIC 0.010UF Z		
C259			CE04HW1A101M	NP-ELEC 100UF 10WV		
C260			CK45FB1H561K	CERAMIC 560PF K		
CN1,2			E40-4746-05	SOCKET FOR PIN ASSY		
J1			E70-0046-05	LOCK TERMINAL BOARD		
X1			L78-0290-05	RESONATOR (8MHZ)		
CP1			R90-0826-05	MULTI-COMP 0.22X2 J 5W		
R131,132			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R206,207			RS14KB3A101J	FL-PROOF RS 100 J 1W		
R265			RS14KB3A181J	FL-PROOF RS 180 J 1W		
R267			RN14BK2C3902F	RN 39.0K F 1/6W		
K1			S76-0036-05	MAGNETIC RELAY		
D201			HZS10N(B)	ZENER DIODE		
D201			RD10ES(B)	ZENER DIODE		
D251-259			HSS104A	DIODE		
D251-259			1SS131	DIODE		
IC1			LA2785	IC(DOLBY PRO LOGIC DECODER IC)		
IC2			LV1011	DI BI-POLAR IC		
IC3			NUM4565L-D	ANALOGUE IC		
IC4			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC5			NUM4565L-D	ANALOGUE IC		
IC6			TC9215P	IC(ANALOG SWITCH X 6)		
IC7			STK401-051	IC(30W AF POWER AMP)		
Q1,2			2SC2878(B)	TRANSISTOR		
Q101-103			2SC2003(L,K)	TRANSISTOR		
Q104			2SC1845(F,E)	TRANSISTOR		
Q201			2SD2012	TRANSISTOR		
Q201			2SD2061(E,F)	TRANSISTOR		
<b>AUDIO UNIT : X09-3950-XX</b>						
C1,2			CC45FSL1H221J	CERAMIC 220PF J		
C3,4			CE04LW1A101M	ELECTRO 100UF 10WV		
C5,6			CQ92FM1H103J	MYLAR 0.010UF J		

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C9,10			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C11,12			CE04LW1C470M	ELECTRO 47UF 16WV		
C13,14			C91-0737-05	CERAMIC 47PF J		
C15,16			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C17,18			CC45FSL1H020C	CERAMIC 2.0PF C		
C19,20			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21,22			CK45FF1H103Z	CERAMIC 0.010UF Z		
C23,24			CE04LW1C101M	ELECTRO 100UF 16WV		
C25-30			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C31-33			C91-0753-05	CHIP C 470PF K		
C34			CE04HW1H4R7M	NP-ELEC 4.7UF 50WV		
C35,36			CE04LW1C101M	ELECTRO 100UF 16WV		
C37,38			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C40			CE04LW2A470M	ELECTRO 47UF 100WV		
C41,42			CQ92FM1H823J	MYLAR 0.082UF J		
C43-46			CC45FSL1H101J	CERAMIC 100PF J		
C47,48			CE04LW1A471M	ELECTRO 470UF 10WV		
C49-52			CC45FSL1H100D	CERAMIC 10PF D		
C53,54			CC45FSL1H470J	CERAMIC 47PF J		
C55,56			CC45FSL1H221J	CERAMIC 220PF J		
C57,58			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C59,60			CK45FF1H103Z	CERAMIC 0.010UF Z		
C61			CK45FB1H471K	CERAMIC 470PF K		
C62,63			C91-0753-05	CHIP C 470PF K		
C64			CE04LW1C470M	ELECTRO 47UF 16WV		
C65,66			CQ92FM1H392J	MYLAR 3900PF J		
C67-70			CF92FV1H104J	MF-C 0.10UF J		
C71,72			CQ92FM1H752J	MYLAR 7500PF J		
C73			CK45FF1H103Z	CERAMIC 0.010UF Z		
C74			CK45FB1H102K	CERAMIC 1000PF K		
C75			CE04LW1A221M	ELECTRO 220UF 10WV		
C76			CE04LW2A470M	ELECTRO 47UF 100WV		
C77			CK45FB1H102K	CERAMIC 1000PF K		
C78			CE04LW2A331M	ELECTRO 330UF 100WV		
C79,80			CE04LW1V220M	ELECTRO 22UF 35WV		
C81-84			CK45FE2H103P	CERAMIC 0.010UF P	KP	
C81-84			C91-1480-05	MP 0.22UF 250WV	YX	
C85,86			C90-3579-05	ELECTRO 4700UF 71WV		
C87-90			CK45FE2H103P	CERAMIC 0.010UF P	KP	
C87-90			C91-1480-05	MP 0.22UF 250WV	YX	
C91,92			CE04LW1V102M	ELECTRO 1000UF 35WV		
C91,92			CE04LW1V332M	ELECTRO 3300UF 35WV		
C93,94			CQ92FM1H104J	MYLAR 0.10UF J		
C95			CE04LW1C100M	ELECTRO 10UF 16WV		
C96			CQ92FM1H104J	MYLAR 0.10UF J		
C97			CE04LW1C100M	ELECTRO 10UF 16WV		
C98			CQ92FM1H104J	MYLAR 0.10UF J		
C99			CE04LW1C100M	ELECTRO 10UF 16WV		
C100,101			CK45FF1H103Z	CERAMIC 0.010UF Z		
C102,103			CC45FSL1H221J	CERAMIC 220PF J		
C104			CE04LW1A101M	ELECTRO 100UF 10WV		
C105			CE04LW2A4R7M	ELECTRO 4.7UF 100WV		
C106			CK45FF1H103Z	CERAMIC 0.010UF Z		
C110			CK45FF1H103Z	CERAMIC 0.010UF Z		

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CN1			E40-4615-05	SOCKET FOR PIN ASSY		
CN2,3			E40-4590-05	SOCKET FOR PIN ASSY		
CN4			E40-4147-05	FLAT CABLE CONNECTOR		
CN6,7			E40-4747-05	PIN ASSY		
CN8			E40-4295-05	FLAT CABLE CONNECTOR		
J1			E11-0207-05	PHONE JACK (3P)		
J2			E11-0188-05	MINIATURE PHONE JACK(2P)		
J3			E63-0133-15	PHONO JACK		
J4			E63-0139-15	PHONO JACK		
J5			E63-0141-15	PHONO JACK		
J6			E70-0053-05	LOCK TERMINAL BOARD		
△ F1,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	YX	
△ F1,2			F05-4028-05	FUSE (UL) (125V 4A)	KP	
△ F1,2			F06-1022-05		X	
△ F1,2			F06-1222-05		KP	
CN9-12			J13-0075-05	FUSE CLIP		
CP1,2			R90-0826-05	MULTI-COMP	0.22X2 J 5W	
△ R17,18			RD14NB2E4R7J	RD	4.7 J 1/4W	
△ R51,52			RD14NB2E4R7J	RD	4.7 J 1/4W	
△ R83,84			RD14NB2E221J	RD	220 J 1/4W	
△ R89,90			RD14NB2E271J	RD	270 J 1/4W	
R91,92			RD14NB2E221J	RD	220 J 1/4W	
△ R99-102			RD14NB2E220J	RD	22 J 1/4W	
△ R107,108			RS14KB3D4R7J	FL-PROOF RS	4.7 J 2W	
△ R119			RS14KB3D470J	FL-PROOF RS	47 J 2W	
△ R120			RS14KB3D101J	FL-PROOF RS	100 J 2W	
R126			RS14KB3A820J	FL-PROOF RS	82 J 1W	
△ R129,130			RS14KB3D561J	FL-PROOF RS	560 J 2W	
△ R131			RS14KB3D222J	FL-PROOF RS	2.2K J 2W	
△ R135			RS14KB3A472J	FL-PROOF RS	4.7K J 1W	
△ R136-138			RS14KB3D681J	FL-PROOF RS	680 J 2W	
△ R139			RS14KB3D122J	FL-PROOF RS	1.2K J 2W	
△ R139-141			RS14KB3D821J	FL-PROOF RS	820 J 2W	
△ R144			RD14NB2E2R2J	RD	2.2 J 1/4W	
△ R150			RD14NB2E2R2J	RD	2.2 J 1/4W	
△ R153			RS14KB3D122J	FL-PROOF RS	1.2K J 2W	
△ R155			RS14KB3D122J	FL-PROOF RS	1.2K J 2W	
△ R156			RS14KB3A820J	FL-PROOF RS	82 J 1W	
△ R160			RD14NB2E4R7J	RD	4.7 J 1/4W	
△ R185			RD14GB2E1R0J	FL-PROOF RD	1.0 J 1/4W	KP
△ VR1,2			R12-1616-05	TRIMMING POT.(1K)		
K1			S51-2078-05	MAGNETIC RELAY		
K2			S76-0005-05	MAGNETIC RELAY		
D1-8			HSS104A	DIODE		
△ D1-8			1SS131	DIODE		
△ D11-22			HSS104A	DIODE		
△ D11-22			1SS131	DIODE		
△ D25,26			D5SBA20F03	DIODE		
D25,26			RBV-602LFA	DIODE		
△ D26			D3SBA20F03	DIODE		
△ D26			RBV-402LFA	DIODE		
△ D27			S5688B	DIODE		
△ D27			1SR139-100	DIODE		

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D28,29			HZS15N(B)	ZENER DIODE		
△ D28,29			RD15ES(B)	ZENER DIODE		
△ D30			HZS6.2N(B2)	ZENER DIODE		
△ D30			RD6.2ES(B2)	ZENER DIODE		
△ D31,32			HZS16N(B2)	ZENER DIODE		
D31,32			RD16ES(B2)	ZENER DIODE		
△ D33			HZS5.6N(B2)	ZENER DIODE		
△ D33			RD5.6ES(B2)	ZENER DIODE		
△ D34,35			HSS104A	DIODE		
△ D34,35			1SS131	DIODE		
D36			HZS4.7N(B2)	ZENER DIODE		
△ D36			RD4.7ES(B2)	ZENER DIODE		
△ D39-42			HSS104A	DIODE		
△ D39-42			1SS131	DIODE		
△ D43-46			HZS22N(B2)	ZENER DIODE		
D43-46			RD22ES(B2)	ZENER DIODE		
△ D47-50			HZS24N(B2)	ZENER DIODE		
△ D47-50			RD24ES(B2)	ZENER DIODE		
△ D51-54			HZS18N(B2)	ZENER DIODE		
△ D51-54			RD18ES(B2)	ZENER DIODE		
D55-58			HZS20N(B2)	ZENER DIODE		
△ D55-58			RD20ES(B2)	ZENER DIODE		
△ D60-64			HSS104A	DIODE		
△ D60-64			1SS131	DIODE		
△ IC1			NJM4565D-D	IC(OP AMP X2)		
IC1			XRA15218-DX	IC(OP AMP X2)		
IC2			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC3			NJM4565D-D	IC(OP AMP X2)		
IC3			XRA15218-DX	IC(OP AMP X2)		
IC4			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC5			NJM4565D-D	IC(OP AMP X2)		
IC5			XRA15218-DX	IC(OP AMP X2)		
IC6			NJM4580D-D	IC(OP AMP X2)		
IC7			TA7812S	IC(VOLTAGE REGULATOR/ +12V)		
IC7			UPC7812AHF	IC(VOLTAGE REGULATOR/ +12V)		
Q1,2			2SC2878(B)	TRANSISTOR		
Q3			2SA1048(Y,GR)	TRANSISTOR		
Q3			2SA1309A(Q,R)	TRANSISTOR		
Q5-8			2SA992(F,E)	TRANSISTOR		
Q9-12			2SC2632(R,S)	TRANSISTOR		
Q13,14			2SA1123(R,S)	TRANSISTOR		
Q15,16			2SC4137F19(V,W)	TRANSISTOR		
Q17,18			2SD2222BT	TRANSISTOR		
Q19,20			2SB1470BT	TRANSISTOR		
Q21,22			2SC2631(R,S)	TRANSISTOR		
Q23,24			2SC2003(L,K)	TRANSISTOR		
Q25			2SA1123(R,S)	TRANSISTOR		
Q26			2SB1370	TRANSISTOR		
Q26			2SB1375	TRANSISTOR		
△ Q27			2SD2012	TRANSISTOR		
△ Q27			2SD2061	TRANSISTOR		
△ Q28			2SB1370	TRANSISTOR		
△ Q28			2SB1375	TRANSISTOR		
Q29,30			2SC1845(F,E)	TRANSISTOR		
Q31,32			2SA992(F,E)	TRANSISTOR		

L : Scandinavia K : USA P : Canada

Y : PX(Far East, Hawaii) T : Europe E : Europe

Y : AAFES(Europe) X : Australia M : Other Areas

△ indicates safety critical components.

KR-596/796/896

## PARTS LIST

\*New Parts  
Parts without **Parts No.** are not supplied.  
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.  
Teile ohne **Parts No.** werden nicht geliefert.

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q33			2SC2458(Y,GR)	TRANSISTOR		
Q33			2SC3311A(Q,R)	TRANSISTOR		
Q34			2SA1048(Y,GR)	TRANSISTOR		
Q34			2SA1309A(Q,R)	TRANSISTOR		
Q35,36			2SC2003(L,K)	TRANSISTOR		
Q37,38			2SA1048(Y,GR)	TRANSISTOR		
Q37,38			2SA1309A(Q,R)	TRANSISTOR		
<b>PRE OUT UNIT : X13-7380-10 (KR-896 ONLY)</b>						
C1			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1			E63-0135-15	PHONO JACK		
D1,2			HSS104A	DIODE		
D1,2			1SS131	DIODE		
<b>DISPLAY UNIT : X14-3850-XX</b>						
D1			B30-2461-05	LED(RED,5)		
C1			CK45FF1H223Z	CERAMIC 0.022UF Z		
C2			CF92FV1H104J	MF-C 0.10UF J		
C3			CE04LW1C101M	ELECTRO 100UF 16WV		
C4,5			C91-0769-05	CERAMIC 0.010UF K		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8,9			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C10			CE04LW1C101M	ELECTRO 100UF 16WV		
C11			C90-3566-05	ELECTRO 0.047UF 5.5WV		
C12-15			CF92FV1H104J	MF-C 0.10UF J		
C16			CE04LW1C101M	ELECTRO 100UF 16WV		
C17			CK45FF1H103Z	CERAMIC 0.010UF Z		
C18			CE04LW1E102M	ELECTRO 1000UF 25WV		
C19			CE04LW1H100M	ELECTRO 10UF 50WV		
C20-23			CK45FF1H103Z	CERAMIC 0.010UF Z		
C24,25			C91-1488-05	MF 6800PF 250VAC		
C26			CK45FF1H103Z	CERAMIC 0.010UF Z		
C27-30			C91-0769-05	CERAMIC 0.010UF K		
C31-33			CK45FF1H103Z	CERAMIC 0.010UF Z		
C32,33			CK45FF1H103Z	CERAMIC 0.010UF Z		
C201,202			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C203,204			CE04LW1C101M	ELECTRO 100UF 16WV		
C205,206			CC45FSL1H221J	CERAMIC 220PF J		
C209,210			CC45FSL1H560J	CERAMIC 56PF J		
C211,212			CF92FV1H393J	MF-C 0.039UF J		
C213,214			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C215,216			CF92FV1H513J	MF-C 0.051UF J		
C217,218			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
CN1,2			E40-4588-05	PIN ASSY		
CN3			E40-4612-05	PIN ASSY		
CN4			E40-4187-05	FLAT CABLE CONNECTOR		
CN5			E40-4245-05	PIN ASSY		
J1			E03-0148-05	AC OUTLET		
F11,12			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)		
F13			F04-5022-05	FUSE (UL) (125V 5A UL)		
F14			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)		
CN6-9			J13-0075-05	FUSE CLIP		
CN10,11			J13-0075-05	FUSE CLIP		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
CN12,13			J13-0075-05	FUSE CLIP		
L1-3			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L1-4			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
T1			L07-0864-05	POWER TRANSFORMER		
T1			L07-0865-05	POWER TRANSFORMER		
T1			L07-0866-05	POWER TRANSFORMER		
X1			L78-0294-05	RESONATOR (10.000M)		
R96			R92-1769-05	CARBON 3.3M J 1/2W		
R221,222			RD14NB2E100J	RD 10 J 1/4W		
VR1,2			R10-5078-05	POTENTIOMETER(100K,5B)		
K1			S76-0009-05	MAGNETIC RELAY		
S1-32			S40-1064-05	PUSH SWITCH		
S50			S31-2322-05	SLIDE SWITCH		
S51			S62-0001-05	SLIDE SWITCH		
S33			T99-0547-05	SPEED DETECTOR		
S34			T99-0548-05	SPEED DETECTOR		
D2-20			HSS104A	DIODE		
D2-20			1SS131	DIODE		
D2-21			HSS104A	DIODE		
D2-21			1SS131	DIODE		
D22-35			HSS104A	DIODE		
D22-35			1SS131	DIODE		
D23-35			HSS104A	DIODE		
D23-35			1SS131	DIODE		
D24-35			HSS104A	DIODE		
D24-35			1SS131	DIODE		
D36-39			S5688B(TPB5)	DIODE		
D40-43			HSS104A	DIODE		
D40-43			1SS131	DIODE		
ED1			CM1270C	INDICATOR TUBE		
ED2			FIP11SM8R	INDICATOR TUBE		
IC1			CXP82320-162Q	MI-COM IC		
IC2			S-80740AL	ANALOGUE IC		
IC3			AN780575F	IC(VOLTAGE REGULATOR/+5.75V)		
IC10			NJM4565D-D	IC(OP AMP X2)		
IC10			XRA15218-DX	IC(OP AMP X2)		
Q1			2SC2458(Y,GR)	TRANSISTOR		
Q1			2SC3311A(Q,R)	TRANSISTOR		
Q2			2SA1048(Y,GR)	TRANSISTOR		
Q2			2SA1309A(Q,R)	TRANSISTOR		
Q3			2SC2458(Y,GR)	TRANSISTOR		
Q3			2SC3311A(Q,R)	TRANSISTOR		
Q4			2SC2003(L,K)	TRANSISTOR		
Q11,12			2SC1845(F,E)	TRANSISTOR		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		

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Δ indicates safety critical components.

PARTS LIST

KR-596/796/896

# KR-596/796/896

## SPECIFICATIONS

U.S.A. and Canada

### AUDIO section

Rated power output at the STEREO operation  
(KR-896/KR-796/KR-596)

100 watts per channel minimum RMS, both channels driven, at 8 $\Omega$  from 40 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion. (FTC)

Power output at the Surround operation  
(KR-896/KR-796 only)

Front (1 kHz, 0.9% T.H.D. at 8  $\Omega$ ) ..... 70 W + 70 W  
Center (1 kHz, 0.9% T.H.D. at 8  $\Omega$ ) ..... 30 W  
Rear (1 kHz, 0.9% T.H.D. at 8  $\Omega$ ) ..... 15 W + 15 W

Total harmonic distortion (1 kHz, 8  $\Omega$ ) ..... 0.05% at 50W  
Signal to noise ratio (IHF'66)

PHONO (MM) ..... 70 dB  
CD, TAPE, VIDEO ..... 95 dB

Input sensitivity/impedance

PHONO (MM) ..... 3.5 mV/47 k $\Omega$   
CD, TAPE, VIDEO ..... 200 mV/47 k $\Omega$

Tone controls

BASS .....  $\pm 10$  dB (at 100 Hz)  
TREBLE .....  $\pm 10$  dB (at 10 kHz)

### FM tuner section

Tuning frequency range ..... 87.5 MHz ~ 108 MHz  
Usable sensitivity (IHF) ..... 13.2 dBf (1.2  $\mu$ V at 75  $\Omega$ )  
50 dB quieting sensitivity

STEREO ..... 41.2 dBf (3.2  $\mu$ V at 75  $\Omega$ )

Total harmonic distortion at 1 kHz

MONO ..... 0.6%  
STEREO ..... 0.7%

Signal to noise ratio at 65 dBf (IHF)

MONO ..... 75 dB  
STEREO ..... 68 dB

Selectivity (IHF  $\pm 400$  kHz) ..... 50 dB

Stereo separation (IHF at 1 kHz) ..... 40 dB

Frequency response ..... 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

### AM tuner section

Tuning frequency range ..... 530 kHz ~ 1,700 kHz  
Usable sensitivity ..... 12  $\mu$ V/(500  $\mu$ V/m)  
Total harmonic distortion ..... 0.7%  
Signal to noise ratio ..... 48 dB  
Selectivity ..... 30 dB

### General

Power consumption

..... 2.5 A (KR-896/KR-796) 2.3 A (KR-596)

AC outlet

SWITCHED ..... 2: (Total 200 W 1.6 A max.)

Dimensions ..... W: 440 mm (17-5/16")

H: 192 mm (7-9/16")

D: 300 mm (11-13/16")

16")

Weight (Net) ..... 10.5 kg (23.1 lb)

Other countries (KR-896)

### AUDIO section

Rated power output at the STEREO operation

(EIAJ) from 40 Hz to 20 kHz,

0.09%, T.H.D. at 8  $\Omega$  ..... 100 W + 100 W

(EIAJ) 1 kHz, 10% T.H.D. at 8  $\Omega$  ..... 130 W + 130 W

Power output at the Surround operation

Front (1 kHz, 0.9% T.H.D. at 8  $\Omega$ ) ..... 70 W + 70 W

Center (1 kHz, 0.9% T.H.D. at 8  $\Omega$ ) ..... 30 W

Rear (1 kHz, 0.9% T.H.D. at 8  $\Omega$ ) ..... 15 W + 15 W

Total harmonic distortion (1 kHz, 8  $\Omega$ ) ..... 0.05% at 50W

Signal to noise ratio (IHF'66)

PHONO (MM) ..... 70 dB

CD, TAPE, VIDEO ..... 95 dB

Input sensitivity/impedance

PHONO (MM) ..... 3.5 mV/47 k $\Omega$

CD, TAPE, VIDEO ..... 200 mV/47 k $\Omega$

Tone controls

BASS .....  $\pm 10$  dB (at 100 Hz)

TREBLE .....  $\pm 10$  dB (at 10 kHz)

### FM tuner section

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

Usable sensitivity (IHF) ..... 13.2 dBf (1.2  $\mu$ V at 75  $\Omega$ )

50 dB quieting sensitivity

STEREO ..... 41.2 dBf (3.2  $\mu$ V at 75  $\Omega$ )

Total harmonic distortion at 1 kHz

MONO ..... 0.6%

STEREO ..... 0.7%

Signal to noise ratio at 65 dBf (IHF)

MONO ..... 75 dB

STEREO ..... 68 dB

Selectivity (IHF  $\pm 400$  kHz) ..... 50 dB

Stereo separation (IHF at 1 kHz) ..... 40 dB

Frequency response ..... 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

### AM tuner section

Tuning frequency range

9 kHz ..... 531 kHz ~ 1,602 kHz

10 kHz ..... 530 kHz ~ 1,610 kHz

Usable sensitivity ..... 12  $\mu$ V (500  $\mu$ V/m)

Total harmonic distortion ..... 0.7%

Signal to noise ratio ..... 48 dB

Selectivity ..... 30 dB

### General

Power consumption

..... 230 W

AC outlet

SWITCHED ..... 2: (Total 200 W max.)

Dimensions ..... W: 440 mm

H: 192 mm

D: 300 mm

Weight (Net) ..... 10.5 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

### Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the the U.S.A.(K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

## KENWOOD CORPORATION

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